

# 2011 Environmental Product Guide for Hawai'i

energy efficient

recyclable

non-toxic

durable

reused

zero VOC

non-toxic

recyclable

zero VOC

biobased

recycled content

biodegradable

water efficient

rapidly renewable

durable

recyclable

rapidly renewable

biobased

reused

# ENVIRONMENTAL PRODUCT GUIDE

## for Hawai'i

### 2011



**US Department of Energy (DOE)**  
1000 Independence Ave  
Washington, DC 20585  
[www.energy.gov](http://www.energy.gov)



**Environmental Research  
& Design Lab (ERDL)**  
University of Hawai'i at Manoa  
School of Architecture  
2410 Campus Road  
Honolulu, HI 96822  
[www.uharchenvirolab.org](http://www.uharchenvirolab.org)



**DBEDT**  
THE DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT & TOURISM  
STATE OF HAWAII

**State of Hawai'i  
Department of Business, Economic  
Development & Tourism (DBEDT)**  
P.O. Box 2359 Honolulu, HI 96804  
<http://www.hawaii.gov/dbedt>



**University of Hawai'i  
Sea Grant College Program**  
2525 Correa Road, HIG 238  
Honolulu, HI 96822  
<http://seagrants.oest.hawaii.edu>

## CREDITS

The 2011 Environmental Products Guide was funded by a U.S. Department of Energy (DOE) award #DE-EE0000216 to the State of Hawai'i Department of Business, Economic Development and Tourism (DBEDT). Any opinions, findings, conclusions, or recommendations expressed herein are those of the author(s) and do not necessarily reflect the views of, nor constitute an endorsement by the EPA, DOE, State of Hawai'i, or any of their agents, partners, or contributors.

## DISCLAIMER

The 2011 Environmental Products Guide does not constitute a complete listing of all businesses in the State of Hawai'i that sell environmentally preferable products. None of the programs, agencies, organizations, or individuals sponsoring or contributing to the directory assume any liability whatsoever for the accuracy or completeness of the information provided in this directory. Product performance claims are represented by the businesses and have not been verified. All information contained herein is subject to change. Neither the Department of Business, Economic Development, and Tourism; the University of Hawai'i; or the State of Hawai'i; the U.S. Department of Energy award #DE-EE0000216, nor any of its employees make any warranty, expressed or implied, or assume any legal liability or responsibility for the products, processes, or other information disclosed in this document. Reference to any specific commercial product, process, or service by trade name, mark, manufacturer or otherwise does not constitute or imply its endorsement or recommendation by the Department of Business, Economic Development, and Tourism; the State of Hawai'i; the University of Hawai'i; nor the U.S. Department of Energy. Final purchasing decisions are the sole responsibility of the purchaser. Any representation or information provided in this directory should be verified by the purchaser prior to any reliance upon such information or making any final purchasing decision.

# TABLE OF CONTENTS

<b>I. INTRODUCTION</b> .....	1
1.1 Scope & Methodology.....	1
1.2 What is a green product?.....	1
1.3 Why Purchase Environmentally Preferable Products?.....	1
1.4 American Recovery and Reinvestment Act 2009 (ARRA 2009) and Tax Credits.....	2
1.5 State of Hawai'i Revised Statutes.....	3
1.6 Executive Orders (EO).....	4
1.7 Comprehensive Procurement Guidelines (CPG).....	5-11
<b>II. DEFINITIONS</b> .....	12-15
<b>III. THIRD-PARTY CERTIFICATION PROGRAMS</b> .....	16-26
<b>IV. PRODUCT LIST</b> .....	28
How to use the Environmental Product Guide (EPG).....	28
<b>Construction Products</b> .....	29
03 00 00 Concrete.....	29
05 00 00 Metals.....	30
06 00 00 Wood, Pastic & Composites.....	31-34
Plywood	
Construction Adhesive	
07 00 00 Thermal & Moisture Protection.....	35-42
Insulation	
Roofing & Waterproofing	
Siding	
Joint Protection	
Vegetated Roof	
08 00 00 Openings.....	43-47
Doors and Frames	
Windows, Skylight, Curtain Walls	
09 00 00 Finishes.....	48-66
Acoustic Ceiling	
Countertops	
Gypsum Board	
Flooring: Adhesives & Underlayment	
Flooring: Bamboo & Cork	
Flooring: Carpeting	
Flooring: Resilient	
Flooring: Tile Work	
Flooring: Wood	
Painting, Coating & Sealants	
Surfacing Materials	
Wall Finishes	
10 00 00 Specialties.....	67
Wood Burning Stoves	
11 00 00 Equipment.....	68-71
Compactor	
Composting Equipment	
Appliances	
12 00 00 Furnishings.....	72-75
13 00 00 Special Construction.....	76
Pool products	
14 00 00 Conveying Equipment.....	76
Elevators	
22 00 00 Plumbing.....	77-81
Fixtures: Toilets, Faucets, Showerheads	
Equipment: Water Heaters & Softeners	
Accessories, Components, Pipe	
23 00 00 Heating, Ventilating, & Air Conditioning (HVAC).....	82-84
26 00 00 Electrical.....	85-89
Systems & Accessories	
Lighting	
31 00 00 Earthwork.....	89
Termite & Pest Control	
32 00 00 Exterior Improvements.....	90-92
Landscaping Products & Maintenance	
Paving & Safety Products	
46 00 00 Water & Wastewater Equipment.....	93
48 00 00 Electrical Power Generation.....	94-97
Solar Energy Products	
Wind Energy Products	
<b>Cleaning Products</b> .....	98-104
<b>Office Products</b> .....	105-121
<b>Vehicular Products</b> .....	122-123
<b>Services</b> .....	124-126
<b>V. APPENDICES</b> .....	127
A. EPA Comprehensive Procurement Guidelines: Additional Product Types.....	127-135
B. Further Reading.....	136-137
<b>VI. RESOURCES</b> .....	138-139
<b>VII. INDEX: By Local Distributors, Manufacturers &amp; Representatives</b> .....	140-157

# ACKNOWLEDGEMENTS

---

## MANAGEMENT

### **Eileen Peppard**

Center for Smart Building and Community Design  
University of Hawai'i Sea Grant College Program  
Principal Investigator

### **Carilyn Shon**

Department of Business, Economic Development and  
Tourism (DBEDT)  
Energy Conservation Program Manager

### **Gail Suzuki-Jones**

Department of Business, Economic Development and  
Tourism (DBEDT)  
Energy Analyst

### **Samia Silveira**

Research Affiliate  
Environmental Research and Design Laboratory  
School of Architecture, University of Hawai'i  
Author, Project Manager and B.Arch & Urban Planner

### **Stephen Meder**

Environmental Research and Design Laboratory  
School of Architecture, University of Hawai'i  
Center for Smart Building and Community Design  
Sea Grant College Program Director  
University of Hawai'i Assistant Vice-Chancellor  
Principal Investigator

## PRIMARY AUTHORS

### **Joanna Griffith**

D.Arch, University of Hawai'i at Manoa  
Research Assistant  
Author

### **Laurel Swan**

D.Arch, University of Hawai'i at Manoa  
Research Assistant  
Author

### **Samia Silveira**

Research Affiliate  
Environmental Research and Design Lab  
School of Architecture, University of Hawai'i  
Author, Project Manager and B.Arch & Urban Planner

## RESEARCH/CONTRIBUTORS

### **Junghwa Suh**

D.Arch, University of Hawai'i at Manoa

### **Sanphawat Jatupatwarangkul**

D.Arch, University of Hawai'i at Manoa

### **Ryan Long**

MS, Natural Resource and Environmental  
Management,  
University of Hawai'i at Manoa

### **Heather Dudock**

University of Hawai'i Sea Grant College Program  
Multimedia Specialist

## THANK YOU

We would like to thank the business owners, managers, and marketing agents who participated in the creation of this guide. Their dedication to providing environmentally preferable products will help Hawai'i reach a more sustainable future.

# I. INTRODUCTION

The 2011 **ENVIRONMENTAL PRODUCT GUIDE FOR HAWAI'I (EPG)** is a document that identifies and promotes **ecofriendly** products available in the State of Hawai'i. The EPG 2011 edition includes the most current listing of local businesses directly involved in producing and/or selling environmentally preferable products in Hawai'i. The EPG also offers a list of products that, although not yet available through a local distributor, are recommended due to their enhanced environmental performance.

## 1.1 SCOPE & METHODOLOGY

The EPG is primarily focused on building materials, but also includes non-building products such as cleaning, vehicular and office products. It is organized under the broader categories of the Construction Specification Institute (CSI) Master Format, a system for classification of building products widely known and used in the construction industry.

A rigorous investigation was made for each product included in the EPG in order to offer consumers an informative and user-friendly list of products that are genuinely "green". Yellow pages, reference guides on green products, and expos were the main vehicles used to find local distributors of environmentally preferable products. Information about specific attributes that make a product qualify as environmentally preferable was collected through a questionnaire completed by the distributors of such products; the information provided was then checked against the applicable standards to that product type.

## 1.2 WHAT IS A GREEN PRODUCT?

A Green product inflicts minimal or no harm to the environment and conserves resources for future generations. Every product generates an environmental footprint at some level. When choosing a product, the challenge is to make decisions that will result in the best trade-off when multiple factors are taken into consideration. Recently, the increase in exaggerated environmental claims also known as "greenwashing" has added a new layer of complexity to responsible purchasing of products. More than a list of product names, the **2011 EPG** for Hawai'i discloses specific information on each product to ease the assessment of their environmental performance during the selection/purchasing process.

## 1.3 WHY PURCHASE ENVIRONMENTALLY PREFERABLE PRODUCTS?

Buying environmentally preferable products helps to prevent the waste of natural resources, captures the economic potential of renewable resources and promotes good will among employees and consumers.

Private businesses benefit from selling environmentally preferable products and being listed in the EPG by:

- Increasing Business Opportunities – Presenting the company's environmentally preferable products directly to those who make purchasing decisions for the government and for private consumers;
- Increasing Recognition – Displaying the company's products to the local marketplace, both public and private, in hard-copy and electronic formats;
- Increasing Public Awareness – participation in the EPG will join forces with the State of Hawai'i efforts helping consumers to understand the benefits of buying environmentally preferable products, determine which products are truly "green", and to know if these products are available in Hawai'i.

For government agencies, purchasing environmentally preferable products may be mandated by the State and Federal Government through Executive Orders and the Comprehensive Procurement Guidelines by U.S. Environmental Protection Agency. In addition, the American Recovery and Reinvestment Act of 2009 provided many tax incentives for individuals and for companies in the areas of healthcare, education, energy efficiency, housing, and more.

## 1.4 American Recovery and Reinvestment Act 2009 (ARRA 2009) and Tax Credits<sup>1</sup>

### Federal & State Tax Credit and Rebates

Commonly referred to as Economic Stimulus Package, [ARRA 2009](#) extended many consumer tax incentives originally introduced in the [Energy Policy Act of 2005 \(EPACT\)](#) and amended in the Emergency Economic Stabilization Act of 2008 (P.L. 110-343). Federal tax credits may also have an expiration date. Incentives are geared towards:

- **Home Energy Efficiency Improvements:** consumers who purchase and install specific products, such as energy-efficient windows, insulation, doors, roofs, and heating and cooling equipment in existing homes can receive a tax credit for 30% of the cost, up to \$1,500, for improvements “placed in service” starting January 1, 2009, through December 31, 2010.

See [http://www.energystar.gov/index.cfm?c=tax\\_credits.tx\\_index](http://www.energystar.gov/index.cfm?c=tax_credits.tx_index) for more information

- **Residential Renewable Energy:** consumers who install solar energy systems (including solar water heating and solar electric systems), small wind systems, geothermal heat pumps, and residential fuel cell and microturbine systems can receive a 30% tax credit for systems placed in service before December 31, 2016.

See [http://www.energystar.gov/index.cfm?c=tax\\_credits.tx\\_index](http://www.energystar.gov/index.cfm?c=tax_credits.tx_index) for more information

- **Automobile:** hybrid gas-electric and alternative fuel vehicles, plug-in electric vehicles, plug-in hybrid conversion kits, and low speed & 2/3 wheeled vehicles, all qualify for this tax credit as long as they were purchased or lease before the provision expiration date.

See <http://www.irs.gov/businesses/corporations/article/0,,id=202341,00.html> for more information

In addition to federal tax incentives, some consumers and businesses will also be eligible for utility or state rebates, as well as state tax incentives for energy-efficiency, renewable energy, fuel efficient vehicles and equipment.

**For current information on state, local, utility and federal incentives and policies that promote renewable energy and energy efficiency, see the Database of State Incentives for Renewables and Efficiency at [www.dsireusa.org](http://www.dsireusa.org)**

<sup>1</sup> Retrieved from <http://www.energy.gov/taxbreaks.htm>

## 1.5 State of Hawai'i Revised Statutes

### **Hawai'i Revised Statutes §169-9 (2006) Energy Efficiency and Environmental Standards for State facilities, motor vehicles, and transportation fuel.**

- (a) Each agency is directed to implement, to the extent possible, the following goals during planning and budget preparation and program implementation.
  
- (b) With regard to buildings and facilities, each agency shall:
  - (1) Design and construct buildings to meeting the Leadership in Energy and Environmental Design silver or two green globes rating system or another comparable State approved, nationally recognized, and consensus based guideline, standard, or system, except when the guideline, standard, or system interferes or conflicts with the use of the building or facility as an emergency shelter;
  - (2) Incorporate energy efficiency measures to prevent heat gain in residential facilities up to three stories in height to provide R-19 or equivalent on roofs, R-II or equivalent in walls, and high-performance windows to minimize heat gain and, if air conditioned, minimize cool air loss;
  - (3) Install solar water heating systems where it is cost-effective, based on a comparative analysis to determine the cost-benefit of using a conventional water heating system or a solar water heating system;
  - (4) Implement water and energy efficiency practices in operations to reduce waste and increase conservation;
  - (5) Incorporate principles of waste minimization and pollution prevention, such as reducing, revising, and recycling as a standard operating practice in programs, including programs for waste management in construction and demolition projects and office paper and packaging recycling programs;
  - (6) Use life cycle cost-benefit analysis to purchase energy efficient equipment such as ENERGY STAR products and use utility rebates where available to reduce purchase and installation costs; and
  - (7) Procure environmentally preferable products, including recycled and recycled-content, bio-based, and other resource-efficient products and materials.



## 1.6 Executive Orders (EO)

Federal Executive Orders are issued by the President of the United States regulating practices of the executive branch, and do not affect citizens directly. Two Executive Orders are of special importance to the purchasing of environmentally preferable products and operational practices of executive agencies:

**EO 13423**, (January, 2007) - *Strengthening Federal Environmental, Energy, and Transportation Management*.

This EO revokes several previous orders addressing the greening of governmental practices, including E.O. 13101, E.O. 13123, E.O. 13134, E.O. 13148, and E.O. 13149. The Order sets goals in the following areas: energy efficiency; acquisition; renewable energy; toxic chemical reduction; recycling; sustainable buildings; electronics stewardship; fleets; and water conservation. See <http://www.fedcenter.gov/programs/eo13423/> for more information on EO 13423.

**EO 13514**, (April, 2010) - *Federal Leadership in Environmental, Energy, and Economic Performance*.

This EO focuses on the reduction of GHG and promotion of a clean energy economy. Requirements of the EO 13514 are: a) establishment of a Greenhouse Gas (GHG) Emission Reduction Target, b) development of a Strategic Sustainability Performance Plan (Sustainability Plan), c) GHG Reporting and Accounting, and d) Fleet Petroleum Reduction. See <http://www.fedcenter.gov/programs/eo13514/> for more information on EO 13514.

### Sick Building Syndrome (SBS)

The Sick Building Syndrome (SBS) is a health condition where occupants of buildings (especially in commercial and institutional facilities) experience irritation of the eyes, nose, throat, neurotoxic or general health problems, skin irritation, nonspecific hypersensitivity reactions, odor and taste sensations, and stress-related issues, due to poor indoor air quality. EPA identifies four main causes or contributing factors to sick building syndrome: inadequate ventilation, chemical contaminants from indoor and outdoor sources, and biological contaminants. Certain products used in building construction and O&M such as adhesives, carpeting, upholstery, manufactured wood products, copy machines, pesticides, and cleaning agents may emit **Volatile Organic Compounds (VOC's)** - including formaldehyde - that affects indoor air quality. The consequence is an increase in absenteeism rates and decrease in production, which directly affect businesses and property management, especially considering that Americans spend 90% of their time indoors<sup>1</sup> and the highest the cost of a building is the cost of the people inside. Therefore, the use of low or zero emitting products, elimination of conditions that encourage allergenic mold growth, and a building design that decreases the chance of cross-contamination is a necessary approach not only to achieve lower O&M costs but also to enhance public health.



<sup>1</sup> U.S. EPA: Buildings and their Impact on the Environment: A Statistical Summary  
<http://www.epa.gov/greenbuilding/pubs/gbstats.pdf>



## 1.7 Comprehensive Procurement Guidelines (CPG)

The Comprehensive Procurement Guidelines (CPG) is a program from the U.S. Environmental Protection Agency (U.S. EPA) that fosters the use of products recovered from solid waste by determining minimum recycled content percentages for a variety of material types. They are grouped in the following categories: Construction Products; Landscaping Products; Nonpaper Office Products; Paper and Paper Products; Park and Recreation Products; Transportation Products; Vehicular Products; and Miscellaneous Products. Compliance with the EPA-CPG is mandatory for federal, state, and local agencies and their contractors that spend more than \$10,000 a year from federal funds on the targeted item. Table 1 shows recommended recycled content percentages for some of the product types addressed in the CPG.

See <http://www.epa.gov/epawaste/consERVE/tools/cpg/products/index.htm#construct> for more information on the CPG.

**Table 1. Recycled content % recommended by EPA's Comprehensive Procurement Guidelines (CPG).\***

\* See [Appendix A](#) for more CPG's recycled content recommendations for the following products: Construction Products, Landscape Products, Nonpaper Office Products, Paper and Paper Products, Park and Recreation Products, Transportation Products, Vehicular Products, Miscellaneous Products.

### Construction Products

#### Building Insulation<sup>1</sup>

Product	Material	Postconsumer Content (%)	Total Recovered Material Content (%)
Rock Wool	Slag	-	75
Fiberglass	Glass Cullet	-	20-25
Cellulose Loose-Fill and Spray-On	Postconsumer Paper	75	75
Perlite Composite Board	Postconsumer Paper	23	23
<b>Plastic Rigid Foam, Polyisocyanurate/Polyurethane</b>			
Rigid Foam	-	-	9
Foam-in-Place	-	-	5
Glass Fiber Reinforced	-	-	6
Phenolic Rigid Foam	-	-	5
Plastic, NonWovenBatt	Recovered and/or Post-consumer Plastics	-	100

<sup>1</sup> The recommended recovered materials content levels are based on the weight (not volume) of materials in the insulating core only.

## Construction Products (cont.)

### Carpet

Product	Material	Postconsumer Content (%)	Total Recovered Material Content (%)
Polyester Carpet Face Fiber <sup>2</sup>	PET	25-100	25-100
<b>Carpet cushion<sup>3</sup></b>			
Bonded polyurethane	Old carpet cushion	15-50	15-50
Jute	Burlap	40	40
Synthetic fibers	Carpet fabrication scrap	--	100
Rubber	Tire rubber	60-90	60-90

### Cement and Concrete

Product	Material
Coal fly ash	<ul style="list-style-type: none"> <li>- Replacement rates of coal fly ash for cement in the production of blended cement generally do not exceed 20-30 %</li> <li>- Coal fly ash blended cements may range from 0-40 % coal fly ash by weight</li> <li>- 15% when coal fly ash is used as a partial cement replacement as an admixture in concrete</li> </ul>
Ground granulated blast furnace slag (GGBF slag)	<ul style="list-style-type: none"> <li>- GGBF slag may replace up to 70% of the Portland cement in some concrete mixtures</li> <li>- Most GGBF slag concrete mixtures contain between 25-50% GGBF slag by weight</li> <li>- Refer to ASTM C 595 for the GGBF slag content</li> </ul>
Cenospheres	- 10% cenospheres by volume
Silica fume	- 5-10% of cementitious material on a dry weight basis.

### Latex Paints

Product	Postconsumer Content (%)	Total Recovered Material Content (%)
<b>Reprocessed Latex Paint<sup>4</sup></b>		
White, Off-White, Pastel Colors	20	20
Grey, Brown, Earthtones, and Other Dark Colors	50-99	50-99
Consolidated Latex Paint	100	100

<sup>1</sup>The recommended recovered materials content levels are based on the weight (not volume) of materials in the insulating core only.

<sup>2</sup> EPA recommends that, based on the recovered materials content levels shown in the table above, procuring agencies establish minimum content standards for use in purchasing polyester carpet for moderate-wear applications. This recommendation does not include polyester carpet for use in heavy-wear or severe-wear applications.

<sup>3</sup> EPA's recommendations do not preclude a procuring agency from purchasing another type of carpet cushion. They simply require that procuring agencies, when purchasing bonded polyurethane, jute, synthetic fiber, or rubber carpet cushions, purchase these items made with recovered materials when these items meet applicable specifications and performance requirement. Refer to Section C-4 in RMAN I for EPA's recommendations for purchasing polyester carpet containing recovered materials.

<sup>4</sup> EPA's recommendation does not preclude agencies from purchasing paints manufactured from other, non-latex materials, such as oil-based paints. It simply recommends that procuring agencies, when purchasing latex paints, purchase these items made from postconsumer recovered materials when these items meet applicable specifications and performance requirements.

## Construction Products (cont.)

### Floor Tiles and Patio Blocks<sup>1</sup>

Product	Material	Postconsumer Content (%)	Total Recovered Material Content (%)
<b>Patio Blocks:</b>			
	Rubber or Rubber Blends	90-100	--
	Rubber or Rubber Blends	--	90-100
<b>Floor Tiles:</b>			
	Rubber	90-100	--
	Plastic	--	90-100

### Flowable Fill (per cubic yard)

Product	Material
Cement	50 lbs.
Coal fly ash	250 lbs.
Foundry sand	2,850 lbs.
Water	500 lbs.

• SEE APPENDIX FOR RECOMMENDATIONS ON MORE CONSTRUCTION PRODUCTS: Modular Threshold Ramps; Nonpressure Pipe; Railroad Grade Crossing Surfaces; Roofing Materials; Shower and Restroom Dividers/Partitions; Structural Fiberboard and Laminated Paperboard.

## Landscaping Products

### Compost and Fertilizer Made From Recovered Organic Materials

Product	Material
Compost	EPA does not recommend any content ranges for either compost or fertilizer since both are generally made exclusively from recovered organic materials
Fertilizer	

### Garden and Soaker Hoses<sup>2</sup>

Product	Material	Postconsumer Content (%)
Garden Hose	Rubber and/or Plastic	60-65
Soaker Hose	Rubber and/or Plastic	60-70

<sup>1</sup> EPA clarified in the Federal Register (FR) at 62 FR 60995, November 13, 1997, that the use of floor tiles with recovered materials content might be appropriate only for specialty purpose uses (e.g., raised, open-web tiles for drainage on school kitchen flooring). Such specialty purpose uses involve limited flooring areas where grease, tar, snow, ice, wetness or similar substances or conditions are likely to be present. Thus, EPA has no recovered materials content level recommendations for floor tiles made with recovered materials for standard office or more general purpose uses.

<sup>2</sup> EPA's recommendation does not preclude a procuring agency from purchasing garden and soaker hoses manufactured from another material. It simply requires that a procuring agency, when purchasing garden and soaker hoses made from plastic or rubber, purchase these items made with recovered materials when these items meet applicable specifications and performance requirements.

## Landscaping Products (cont.)

### Hydraulic Mulch<sup>1</sup>

Product	Material	Postconsumer Content (%)	Total Recovered Materials Content (%)
Paper-Based Hydraulic Mulch	Paper	100	100
Wood-Based Hydraulic Mulch	Wood and Paper	--	100

### Lawn and Garden Edging<sup>2</sup>

Material	Postconsumer Content (%)	Total Recovered Materials Content (%)
Plastic and/or Rubber	30-100	30-100

### Plastic Lumber Landscaping Timbers and Posts<sup>3</sup>

Material	Postconsumer Content (%)	Total Recovered Materials Content (%)
HDPE	25-100	75-100
Mixed plastics/Sawdust	50	100
HDPE/Fiberglass	75	95
Other mixed resins	50-100	95-100

## Nonpaper Office Products

### Binders, Clipboards, File Folders, Clip Portfolios, and Presentation Folders<sup>4</sup>

Item	Material	Postconsumer Content (%)	Total Recovered Materials Content (%)
Binders	Plastic-covered	--	25-50
	Paper-covered	75-100	90-100
	Pressboard	20	50
	<b>Solid plastic</b>		
	HDPE	90	90
	PE	30-50	30-50
	PET	100	100
	Misc. plastics	80	80

<sup>1</sup> The recommended recovered materials content levels are based on the dry weight of the fiber, exclusive of any dyes, wetting agents, seeds, fertilizer, or other non-cellulose additives.

<sup>2</sup> EPA's recommendation does not preclude a procuring agency from purchasing lawn and garden edging manufactured from another material such as wood. It simply requires that a procuring agency, when purchasing lawn and garden edging made from plastic and/or rubber, purchase these items made with recovered materials when these items meet applicable specifications and performance requirements.

<sup>3</sup> EPA's recommendations do not preclude a procuring agency from purchasing wooden landscaping timbers and posts. They simply require that procuring agencies, when purchasing plastic landscaping timbers and posts, purchase these items made with recovered materials when the items meet applicable specifications and performance requirements.

<sup>4</sup> EPA's recommendations do not preclude a procuring agency from purchasing binders, clipboards, file folders, clip portfolios, or presentation folders made from another material. They simply require that procuring agencies, when purchasing these items made from the materials above, purchase them made from recovered materials when these items meet applicable specifications and performance requirements.

## Nonpaper Office Products (cont.)

### Binders, Clipboards, File Folders, Clip Portfolios, and Presentation Folders (cont.)

Item	Material	Postconsumer Content (%)	Total Recovered Materials Content (%)
Plastic clipboards	HDPE	90	90
	PS	50	50
	Misc. plastics	15	15-80
Plastic file folders	HDPE	90	90
Plastic clip portfolios	HDPE	90	90
Plastic presentation folders	HDPE	90	90

### Office Furniture

Product	Material	Postconsumer Content (%)	Total Recovered Materials Content (%)
Furniture structure	Steel <sup>1</sup>	16	25-30
Furniture structure	Aluminum	--	75-100
Cellulose Loose-Fill and Spray-On	Postconsumer Paper	75	75
Particleboard/Fiberboard component <sup>2</sup>	Wood or wood composite Agricultural fiber	Greater than 0	80-100
		--	100
Fabric	PET	100	100
Plastic furniture component	HDPE	70-75	95
Remanufactured or refurbished furniture	Various	25-75	25-75

• SEE APPENDIX FOR RECOMMENDATIONS ON MORE NONPAPER OFFICE PRODUCTS: Office Recycling Containers and Waste Receptacles; Plastic Desktop Accessories; Plastic Envelopes; Plastic Trash Bags; Printer Ribbons; Toner Cartridges.

<sup>1</sup> The recommended recovered materials content levels for steel in this table reflect the fact that the designated item is generally made from steel manufactured in a Basic Oxygen Furnace (BOF). Steel from the BOF process contains 25% - 30% total recovered steel, of which, 16% is postconsumer steel.

<sup>2</sup> Particleboard and fiberboard used in the wood components of office furniture may also contain other recovered cellulosic materials, including, but not limited to, paper, wheat straw, and bagasse. The percentages of these materials contained in the product would also count toward the recovered materials content level of the item. In addition, while EPA has no evidence or indication that wood treated with chromated copper arsenate (CCA) is currently used in office furniture, EPA is not recommending the use of CCA-treated wood as a recovered material in office furniture. The arsenic in CCA is a known human carcinogen and EPA is currently conducting a thorough and comprehensive risk assessment of CCA as a part of the pesticide reregistration process for CCA. In addition, EPA is conducting a risk assessment for children who contact CCA-treated wood playsets and decks.

## Paper and Paper Products

### Printing and Writing Papers

Item	Postconsumer Fiber (%)	Recovered Fiber (%)
<b>Recommended Recovered Fiber Content Levels for Uncoated Printing and Writing Papers</b>		
Reprographic Paper (e.g., mimeo and duplicator paper, high-speed copier paper, and bond paper <sup>1</sup> )	30	30
Offset Paper (e.g., offset printing paper <sup>1</sup> , book paper <sup>1</sup> , and bond paper <sup>3</sup> )	30	30
Tablet Paper (e.g., offset paper such as note pads, stationery <sup>1</sup> , and other writing <sup>1</sup> papers)	30	30
Forms Bond (e.g., forms, computer printout paper, and ledger <sup>1</sup> )	30	>30
Envelope Paper (excludes custom envelopes)		
Wove	30	30
Kraft, white, and colored (including manila)	10-20	10-20
Kraft, unbleached	10	10
Cotton Fiber Paper (e.g., cotton fiber papers, ledger <sup>1</sup> , stationery <sup>1</sup> and matching envelopes, and other writing <sup>1</sup> papers)	30	30
Text & Cover Paper (e.g., cover stock, book paper <sup>1</sup> , stationery <sup>1</sup> and matching envelopes, and other writing <sup>1</sup> paper)	30	30
Supercalendered	10	10
Machine Finish Groundwood	10	10
Papeteries	30	30
Check Safety Paper	10	10
<b>Recommended Recovered Fiber Content Levels for Coated Printing and Writing Papers</b>		
Coated Printing Paper	10	10
Carbonless	30	30
<b>Recommended Recovered Fiber Content Levels for Bristols<sup>2</sup></b>		
File Folders (manila and colored)	30	30
Dyed Filing Products	20	20-50
Cards (index, postal, and other, including index sheets)	20	50
Pressboard Report Covers and Binders	20	50
Tags and Tickets	20	50

### Newsprint<sup>2</sup>

Item	Postconsumer Fiber (%)	Recovered Fiber (%)
Newsprint	20-85	20-100

<sup>1</sup> These items can be made from a variety of printing and writing papers, depending on the performance characteristics of the item. Some of the papers are a commodity-type and some are specialty papers. EPA recommends that procuring agencies determine the performance characteristics required of the paper prior to establishing minimum content standards. Bond, ledger, or stationery made from cotton fiber paper or a text & cover paper, for example, have different characteristics than similar items made from commodity papers.

<sup>2</sup> The content levels for all EPA recommendations should be read as X% recovered fiber, including Y% postconsumer fiber and not as X% recovered fiber plus Y% postconsumer fiber.



## Paper and Paper Products (cont.)

### Commercial/ Industrial Sanitary Tissue<sup>1</sup>

Item	Postconsumer Fiber (%)	Recovered Fiber (%)
Bathroom Tissue	20-60	20-100
Paper Towels	40-60	40-100
Paper Napkins	30-60	30-100
Facial Tissue	10-15	10-100
General Purpose Industrial Wipers	40	40-100

### Paperboard and Packaging

Item	Postconsumer Fiber (%)	Recovered Fiber (%)
<b>Corrugated containers<sup>2</sup></b>		
- (<300 psi)	25-50	25-50
- (300 psi)	25-30	25-30
Solid Fiber Boxes	40	40
Folding Cartons <sup>3</sup>	40-80	100
Industrial paperboard (e.g., tubes, cores, drums, and cans)	45-100	100
Miscellaneous (e.g., pad backs, covered binders, book covers, mailing tubes, protective packaging)	75-100	90-100
Padded mailers	05-15	05-15
Carrierboard <sup>4</sup>	10-15	10-100
Brown papers (e.g., wrapping paper and bags)	05-20	05-40

- **SEE APPENDIX FOR RECOMMENDATIONS ON MORE PAPER AND PAPER PRODUCTS: Miscellaneous Paper Products**
- **SEE APPENDIX FOR RECOMMENDATIONS ON PARK AND RECREATION PRODUCTS: Park Benches and Picnic Tables; Plastic Fencing; Playground Equipment; Playground Surfaces; Running Tracks**
- **SEE APPENDIX FOR RECOMMENDATIONS ON TRANSPORTATION PRODUCTS: Channelizers, Delineators, and Flexible Delineators; Parking Stops; Traffic Barricades; Traffic Cones**
- **SEE APPENDIX FOR RECOMMENDATIONS ON VEHICULAR PRODUCTS: Engine Coolants; Rebuilt Vehicular Parts; Re-Re-fined Lubricating Oil; Retread Tires**
- **SEE APPENDIX FOR RECOMMENDATIONS ON MISCELANEOUS PRODUCTS: Awards and Plaques; Bike Racks; Blasting Grit; Industrial Drums; Manual-Grade Strapping; Mats; Pallets; Signage**

<sup>1</sup>The content levels for all EPA recommendations should be read as X% recovered fiber, including Y% postconsumer fiber and **not** as X% recovered fiber plus Y% postconsumer fiber.

<sup>2</sup>The recovered fiber and postconsumer fiber content is calculated from the content of each component relative to the weight each contributes to the total weight of the box.

<sup>3</sup>The recommended content ranges are not applicable to all types of paperboard used in folding cartons. Cartons made from solid bleached sulfate or solid unbleached sulfate contain no or small percentages of postconsumer fiber, depending on the paperboard source.

<sup>4</sup>Carrierboard made from unbleached kraft contains up to 25% recovered fiber, while carrierboard made from recycled paperboard contains up to 100% recovered fiber.

## II. DEFINITIONS

### A

**AGM:** Absorbed Glass Mat batteries

**ARRA 2009:** American Recovery and Reinvestment Act of 2009, commonly known as the Economic Stimulus Package.

**ASHRAE STANDARD 90.1:** Energy Standard for Buildings Except Low-Rise Residential Buildings

### B

**BIOPREFERRED USDA CERTIFIED BIOBASED PRODUCT:** Labels products containing biobased (plant-based) material. It offers a catalog of products that contain a minimum amount biobased content.

<http://www.biopREFERRED.gov/?SMSESSION=NO>

**BIODEGRADABLE:** Material that will breakdown by micro-organisms into stable compounds such as water and CO<sub>2</sub>.

**BIOMIMICRY:** The method of emulating nature's systems in human technology.

### C

**CAL PROP65:** Proposition 65 requires the State of California to publish a list of chemicals known to cause cancer or birth defects or other reproductive harm.

<http://oehha.ca.gov/prop65/background/p65plain.html>

**CA TITLE 24 COMPLIANT, CA 01350 COMPLIANT:** Certifies that a product meets California's building efficiency standards, which are among the most stringent in the country.

**CE:** Conformance European

**CENOSPHERES:** A lightweight, inert, hollow sphere filled with inert air or gas, typically produced as a byproduct of coal combustion at thermal power plants.

<http://en.wikipedia.org/wiki/Cenosphere>

**CHLOROFLUOROCARBON (CFC):** Class of synthetic chemicals, used in a variety of industrial, commercial, and household applications. Examples include: coolants for commercial and home refrigeration units, aerosol propellants, electronic cleaning solvents, and blowing agents. CFCs, along with other chlorine- and bromine-containing compounds, have been implicated in the accelerated depletion of ozone in the Earth's stratosphere. CFCs have been phased out in preference for HCFCs.

**CISPI:** Cast Iron Soil Pipe Institute

**CPG:** Comprehensive Procurement Guideline Program is sponsored by the EPA in order to promote the use of materials recovered from solid waste. It is authorized by Congress under Section 6002 of the Resource Conservation and Recovery Act (RCRA) and Executive Order 13423. <http://www.epa.gov/epawaste/consERVE/tools/cpg/index.htm>

**COEFFICIENT OF THERMAL EXPANSION:** Describes how the size of an object changes with a change in temperature. Specifically, it measures the fractional change in size per degree change in temperature at a constant pressure.

**COMPREHENSIVE PROCUREMENT GUIDELINES (CPG):** A program that is part of EPA's continuing effort to promote the use of materials recovered from solid waste.

**CSA:** Canadian Standards Association  
<http://www.csa.ca/cm/ca/en/about-csa>

### D

**DSIRE:** Database of State Incentives for Renewables & Efficiency

**DUAL-FLUSH:** system in toilets to control the amount of water per flush.

### E

**EARTHCRAFT COMPLIANT:** A green building certification program that serves the south-east region of the U.S.

**ECO-FRIENDLY:** A term used to refer to goods and services, laws, guidelines and policies claimed to inflict minimal or no harm on the environment.  
[http://en.wikipedia.org/wiki/Environmentally\\_friendly](http://en.wikipedia.org/wiki/Environmentally_friendly)

**EMBODIED ENERGY:** The total primary energy consumed by a product (carbon released over its life cycle). This would normally include extraction, manufacturing and transportation. Ideally the boundaries would be set from the extraction of raw materials (including fuels) until the end of the products lifetime (including energy from manufacturing, transport, energy to manufacture capital equipment, heating and lighting of factory, maintenance, disposal etc.), known as 'Cradle-to-Grave'. It has become common practice to specify the embodied energy as 'Cradle-to-Gate', which includes all energy (in primary form) until the product leaves the factory gate. The final boundary condition is 'Cradle - to-Site', which includes all of the energy consumed until the product has reached the point of use (ie the building site).

**ENERGY FACTOR (EF):** An efficiency rating for water heaters derived from the ratio of useful energy output from a water

heater to the total amount of energy delivered to the appliance. The higher the EF, the more efficient the model.

**EPACT:** Energy Policy Act of 2005. The act, described by proponents as an attempt to combat growing energy problems, changed US energy policy by providing tax incentives and loan guarantees for energy production of various types.

[http://www1.eere.energy.gov/buildings/appliance\\_standards/pdfs/epact2005\\_appliance\\_std.pdf](http://www1.eere.energy.gov/buildings/appliance_standards/pdfs/epact2005_appliance_std.pdf)

**ENERGYSTAR:** A government backed program that identifies and promotes energy efficient products.

**EPA REGISTRATION NUMBER:** The Environmental Protection Agency Registration Number and the Establishment Number are required on all pesticide products to provide a unique product number for regular registrations, distributor registrations, Special Local Needs registrations, and Experimental Use Permits.

<http://www.epa.gov/oppad001/chemregindex.htm>

## F

**FAA:** Federal Aviation Administration

**FCC:** Federal Communications Commission

**FIRST-HOUR RATING (FHR):** First-Hour Rating is the amount of hot water in gallons a storage water heater can supply per hour (starting with a tank full of hot water).

**FORMALDEHYDES:** see “urea-formaldehyde”

**FSEC:** Florida Solar Energy Center

## G

**GALLONS PER MINUTE (GPM):** Gallons per minute is the amount of hot water in gallons a tankless water heater can supply per minute over a 77°F temperature rise.

**GREENHOUSE GASES (GHG):** Gases that trap heat in the atmosphere and increase global warming, including: Carbon Dioxide, Methane, Nitrous Oxide, and Fluorinated Gases (CFCs, HCFCs, and halons).

**GREENSEAL (GS-33), CRITERION 3.4.3:** “3.4.3 Property shall use non-phosphate, nontoxic, biodegradable, concentrated liquid or powder laundry detergents”.

[http://www.greenseal.org/Portals/0/Documents/Standards/GS-33/GS-33\\_Hotels\\_and\\_Lodging\\_Properties\\_Standard.pdf](http://www.greenseal.org/Portals/0/Documents/Standards/GS-33/GS-33_Hotels_and_Lodging_Properties_Standard.pdf)

**GWP:** Global Warming Potential

## H

**HERS:** Home Energy Rating Systems <http://www.usahers.com/>

**HET:** High Efficiency Toilet

**HFC:** Hydrofluorocarbons

**HIGH-DENSITY POLYETHYLENE (HDPE):** High-density polyethylene (HDPE) is a type of plastic made from petroleum. Since this material can be remolded by subsequent melting and shaping, it is classified as a polyethylene thermoplastic. It can also be joined in segments when welded or machined. However, it does not accept adhesives very well. Also known as polyethylene high-density (PEHD), products made of high-density polyethylene are marked by the imprint of the number “2” surrounded by the Möbius strip recognized as the universal recycling symbol.

**H-POWER:** power plants that generates energy from waste, therefore also called “energy-from-waste” or “waste-to-energy” facilities.

**HSEA:** Hawai’i Solar Energy Association <http://www.hsea.org/>

**HYDROCHLOROFLUOROCARBON (HCFC):** A class of chemicals being used to replace CFCs. They contain chlorine and deplete stratospheric ozone, but to a lesser extent than CFCs. HCFCs have ozone depletion potentials ranging from 0.01 to 0.1. Production of HCFCs with the highest ODPs are being phased out first, followed by other HCFCs.

## I

**IAPMO:** International Association of Plumbing and Mechanical Officials <http://www.iapmo.org/Pages/splash.aspx>

**IAQ:** Indoor Air Quality

**ICAO:** International Civil Aviation Organization

**IEC 60529:** standard developed through the International Electrotechnical Commission (IEC) that describes a system for classifying the degree of protection provided by an enclosure.

**INTERNATIONAL DARK SKY ASSOCIATION (IDA) GUIDELINES:** IDA is the recognized authority on light pollution; their guidelines outline methods for improving nighttime lighting.

## L

**LAMINATES:** Resin-impregnated paper glued to a particleboard backing.

**LEED:** Leadership in Energy & Environmental Design <http://www.usgbc.org/DisplayPage.aspx?CategoryID=19>

## M

**MODIFIED ENERGY FACTOR (MEF):** The official energy efficiency metric used to compare relative efficiencies of different clothes washers. MEF considers the energy used to run the washer, heat the water, and run the dryer. The higher the MEF, the more efficient the clothes washer.

# DEFINITIONS (cont.)

## N

**NAIMA:** North American Insulation Manufacturers Association

**NAUF or NAF:** No Added Ureea-Formaldehyde

**NEMA 250:** National Electrical Manufacturers Association

**NGBS:** National Green Building Standards

<http://www.nahbgreen.org/>

**NPDES:** National Pollutant Discharge Elimination System

<http://cfpub.epa.gov/npdes/>

**NWFA:** National Wood Flooring Association

## O

**O & M:** Operation & Maintenance

**OTA:** Organic Trade Association is a membership-based business association that focuses on the organic business community in North America. OTA's mission is to promote and protect the growth of organic trade to benefit the environment, farmers, the public and the economy.

<http://www.ota.com/about/accomplishments.html>

**OZONE DEPLETION POTENTIAL (ODP):** Relative value that indicates the potential of a substance to destroy ozone gas as compared with the potential of chlorofluorocarbon-11 (CFC-11) which is assigned a reference value of 1. Thus, a substance with ODP of 2 is twice as harmful as CFC-11.

**ODS:** Ozone Depleting Substances.

## P

**PEHD:** Polyethylene High-Density

**PETROCHEMICALS:** Chemical products processed from petroleum, a finite resource that is energy-intensive and polluting to extract, ship, and process.

**POLYCARBONATE:** Any of a class of thermoplastics characterized by high-impact strength, light weight, and flexibility, and used as shatter-resistant substitutes for glass.

**POLYETHYLENE HIGH-DENSITY (PEHD):** See High-Density Polyethylene

**POLYVINYL CHLORIDE (PVC):** A common thermoplastic resin, used in a wide variety of manufactured products, including rainwear, garden hoses, phonograph records, and floor tiles. The chemicals in PVC can cause cancer, birth defects, genetic changes, chronic bronchitis, ulcers, skin diseases, deafness, vision failure, indigestion, and liver dysfunction.

**POST-CONSUMER/POST-INDUSTRIAL RECYCLED CONTENT:**

is typically measured by percentage of recycled content by weight.

**POST-CONSUMER** recycled materials are more likely to be diverted from landfills and are considered environmentally preferable to post industrial recycled materials.

**POST-INDUSTRIAL OR PRE-CONSUMER** recycled materials are derived from the manufacturing waste.

**PPM:** Parts Per Million

## R

**R-VALUE:** A measure of a material's resistance to heat flow. A higher R-value indicates a higher insulating capacity. Increasing the R-value of a roof assembly will help keep interior spaces cool by resisting the transfer of solar heat. R-value is also the inverse of a material's U-value.

**RAMMED EARTH:** A construction technique that utilizes earthen mixture from the building site that is then "rammed" into formwork to create walls.

**RAPIDLY RENEWABLE PRODUCTS:** Have a harvesting rotation of typically less than 10 years and are often agricultural crops.

**RENEWABLE ENERGY:** Energy that comes from natural sources. Includes solar water heaters, photovoltaic systems, and wind turbines.

**R-PET:** Recycled Polyethylene Terephthalate

**RESNET:** Residential Energy Services Network

<http://www.resnet.us/professional>

**ROHS:** Restriction of Hazardous Substances, European Union directive to restrict hazardous materials in electronic and electrical equipment.

## S

**SALVAGED MATERIALS:** Typically sold by regional salvage yards, helps to reduce demand for raw materials.

**SEASONAL ENERGY EFFICIENCY RATING (SEER):** A rating system that evaluates the efficiency of equipment and products. The higher the rating, the higher the efficiency.

**SEIA:** Solar Energy Industry Association

**SIPS:** Structural Insulated Panel

**SOLAR FRACTION (SF):** Solar Fraction is used to measure the efficiency of solar water heaters. It measures the portion of the total conventional hot water heating load (delivered energy and tank standby losses) provided by solar energy. The higher the SF is, the more efficient the solar water heater.

**SOLAR HEAT GAIN COEFFICIENT (SHGC):**

The SHGC is the fraction of incident solar radiation admitted through a window, both directly transmitted and absorbed and subsequently released inward. SHGC is expressed as a number between 0 and 1. The lower a window's solar heat gain coefficient, the less solar heat it transmits.

**SRCC:** Solar Rating & Certification Corporation

<http://www.solar-rating.org/ratings/og100.htm>

**SOLAR REFLECTANCE INDEX (SRI):** Solar Reflectance is the fraction of the incident solar energy which is reflected by a surface.

**SONE:** Measurement of loudness. One sone is equivalent to the level of sound from a residential refrigerator.

**STC - SOUND TRANSMISSION CLASS:** A rating of a material's ability to resist sound transfer. The higher the STC rating, the greater the ability to block the transfer of sound.

**STORMWATER RUNOFF:** Can contain a variety of harmful pollutants such as heavy metals, fertilizers, herbicides, paint, fuel, oil, along with inorganic and organic debris and dust.

## T

**TEMPERATURE RISE:** The difference between the temperature of hot water exiting a heater and the cold water entering a heater. If you want a shower of 110°F and you live in south Florida with groundwater at 70°F, then that is a 40°F temperature rise (110-70=40).

**THERMAL EFFICIENCY RATING:** Used for rating biomass-burning stoves, a rating of over 75% is required for energy-efficiency tax credits.

**THERMAL EMITTANCE (INFRARED EMITTANCE):** Infrared Emittance is a parameter between 0 and 1 which measures the ability of a warm or hot material to shed some of its heat in the form of infrared radiation.

**TVOC:** Total volatile organic compounds (VOC's)

## U

**UFAD:** Under Floor Air Delivery

**URBAN HEAT ISLAND EFFECT:** The rise in temperature of any man-made area, resulting in a well-defined, distinct "warm

island" among the "cool sea" represented by the lower temperature of the area's nearby natural landscape. The Urban Heat Island Effect negatively impacts the residents of urban-related environs and has been indirectly related to climate change due to their contribution to the greenhouse effect, and therefore, to global warming.

**UREA-FORMALDEHYDE:** Formaldehydes are naturally occurring, however, urea-formaldehyde is commonly added to adhesives, finishes, and wood products and is considered by the EPA to pose health risks.

**U-VALUE:** The rate of heat loss through a window assembly where the lower the rate, the better a material's resistance to heat transfer. A U-factor of 0.30 or lower translates to a greater resistance to heat flow and improved insulating properties.

**UV RESISTANT/UV-STABLE:** Excellent color retention, resistant to fading from UV rays.

## V

**VLT: VISIBLE LIGHT TRANSMISSION:** Refers to the amount of light passing through glass, measured as a percentage; a higher percentage translates to more light in the interior space. Low VLT can translate to cooler interior spaces, but would reduce the potential for daylighting contribution as well. This does not measure UV transmittance.

**VOLATILE ORGANIC COMPOUNDS (VOCs):** Emitted gases from certain solids or liquids. VOCs include a variety of chemicals, some of which may have short- and long-term adverse health effects. Concentrations of many VOCs are consistently higher indoors (up to ten times higher) than outdoors. VOCs are emitted by a wide array of products numbering in the thousands.

## W



**WATER FACTOR (WF):** A measurement of water efficiency that is calculated as gallons of water used per cubic foot of capacity. The lower the WF, the more efficient the clothes washer.



### III. THIRD-PARTY CERTIFICATION PROGRAMS





As the awareness of the impact of buildings and materials grows, an increasing number of third party certification programs have arisen to certify products, buildings and community design, corporate practices, and individual professionals committed to the promotion and implementation of environmental practices. The following tables present examples of these certifications for: products (Table 1), for buildings (Table 2), and for professionals (Table 4).

**Table 1. for Products**





Logo	Name (bullets indicate label categories)	Target Group	Evaluated Attributes	Description	List of Certified Products	Website
	<b>Carpet and Rug Institute (CRI): Green Label Carpet Testing Program</b> <ul style="list-style-type: none"> <li>• CRI Green Label</li> <li>• CRI Green Label Plus</li> </ul>	Carpet, cushions and adhesives	<ul style="list-style-type: none"> <li>• VOC emissions (tested in accordance with California Section 01350 program)</li> </ul>	The CRI Green Label test carpet, cushions and adhesives to help specifiers identify products with very low emissions of VOCs	<a href="http://www.carpet-rug.org/commercial-customers/green-building-and-the-environment/green-label-plus/index.cfm">http://www.carpet-rug.org/commercial-customers/green-building-and-the-environment/green-label-plus/index.cfm</a>	<a href="http://www.carpet-rug.org/commercial-customers/green-building-and-the-environment/green-label-plus/index.cfm">http://www.carpet-rug.org/commercial-customers/green-building-and-the-environment/green-label-plus/index.cfm</a>
	<b>Carpet and Rug Institute (CRI): CRI Seal of Approval</b>	Cleaning solutions, vacuums, deep cleaning extractors and systems	<ul style="list-style-type: none"> <li>• Overall cleaning effectiveness</li> <li>• Rate of resoiling (ensures that the product does not attract dirt to the cleaned areas faster than the rest of the carpet)</li> <li>• Carpet dyes and fibers are not adversely affected by the cleaning product</li> <li>• Surface texture change</li> <li>• No patches of carpet are lighter than the rest after cleaning</li> <li>• Colorfastness</li> <li>• Carpet fiber retention (vacuums)</li> <li>• Dust containment (vacuums)</li> <li>• Soil removal (vacuums)</li> </ul>	The CRI Seal of Approval program identifies effective carpet cleaning solutions and equipment so carpets are cleaner, healthier and last longer	<a href="http://www.carpet-rug.org/commercial-customers/cleaning-and-maintenance/soa-service-providers/service-providers.cfm">http://www.carpet-rug.org/commercial-customers/cleaning-and-maintenance/soa-service-providers/service-providers.cfm</a>	<a href="http://www.carpet-rug.org/commercial-customers/cleaning-and-maintenance/seal-of-approval-products/index.cfm">http://www.carpet-rug.org/commercial-customers/cleaning-and-maintenance/seal-of-approval-products/index.cfm</a>






# THIRD-PARTY CERTIFICATION PROGRAMS - Table 1. for Products (cont.)

Logo	Name (bullets indicate label categories)	Target Group	Evaluated Attributes	Description	List of Certified Products	Website
	<b>Cradle to Cradle Certified<sup>CM</sup> (C2C)</b> <ul style="list-style-type: none"> <li>• Basic</li> <li>• Silver</li> <li>• Gold</li> <li>• Platinum</li> </ul>	Products or materials from any industry	<ul style="list-style-type: none"> <li>• Material Health</li> <li>• Material Reutilization</li> <li>• Renewable Energy Use</li> <li>• Water Stewardship</li> <li>• Social Responsibility</li> </ul>	Focuses on life-cycle assessment, i.e., the practices employed to manufacture the product, and whether those use materials that are safe to humans and the environment	<a href="http://c2c.mbdc.com/c2c/list.php">http://c2c.mbdc.com/c2c/list.php</a>	<a href="http://mbd.com/detail.aspx?linkid=2&amp;sublink=8">http://mbd.com/detail.aspx?linkid=2&amp;sublink=8</a>
	<b>Design for the Environment (DfE)</b>	Cleaners and detergents in general: car care, pet care, floor care, odor removal, ink, graffiti remover, and more	DfE assures that the chemicals are: <ul style="list-style-type: none"> <li>• Non-toxic to human health</li> <li>• Biodegradable</li> <li>• Non-polluting to water bodies and aquatic life</li> </ul>	Recognizes household and commercial products that use chemical ingredients that are safer for human health and the environment	<a href="http://www.epa.gov/dfe/pubs/projects/formulat/formpart.htm">http://www.epa.gov/dfe/pubs/projects/formulat/formpart.htm</a>	<a href="http://www.epa.gov/dfe/">http://www.epa.gov/dfe/</a>
	<b>ENERGY STAR</b>	Appliances, sealing and insulating products, roof products, windows, doors, skylights, computer & electronics, heating & cooling, lighting and fans, plumbing products	<ul style="list-style-type: none"> <li>• Energy efficiency</li> <li>• Water efficiency</li> <li>• Solar Reflectance Index (SRI)</li> <li>• R-value</li> <li>• Warranty coverage</li> <li>• Safety</li> <li>• Ability to deliver the features demanded</li> </ul>	Government-backed symbol identifying products that help reduce greenhouse gas emissions and other pollutants through enhanced energy use. Devices carrying the ENERGY STAR label generally use 20%–30% less energy than required by federal standards	<a href="http://www.energystar.gov/index.cfm?c=products.pr_find_es_products">http://www.energystar.gov/index.cfm?c=products.pr_find_es_products</a>	<a href="http://www.energystar.gov/">http://www.energystar.gov/</a>
	<b>Electronic Product Environmental Assessment Tool (EPEAT)</b> <ul style="list-style-type: none"> <li>• Bronze</li> <li>• Silver</li> <li>• Gold</li> </ul>	Electronic products	<ul style="list-style-type: none"> <li>• Reduction/ elimination of environmentally sensitive materials</li> <li>• Materials selection</li> <li>• Design for end of life</li> <li>• Product longevity</li> <li>• Energy conservation</li> <li>• End of life management</li> <li>• Corporate performance</li> <li>• Packaging</li> </ul>	Evaluates design, production, energy and materials use, recyclability and packaging of electronic products based on the compliance with 23 criteria	<a href="http://www.epeat.net/PublicSearch.aspx">http://www.epeat.net/PublicSearch.aspx</a>	<a href="http://www.epeat.net/">http://www.epeat.net/</a>




# THIRD-PARTY CERTIFICATION PROGRAMS - Table 1. for products (cont.)

Logo	Name (bullets indicate label categories)	Target Group	Evaluated Attributes	Description	List of Certified Products	Website
	<b>FloorScore</b>	Flooring and adhesives	<ul style="list-style-type: none"> <li>Indoor Air Quality (complies with VOCs levels listed under the California Section 01350 program)</li> </ul>	Certifies hard surface flooring and flooring adhesive products for compliance with rigorous indoor air quality emissions requirements	<a href="http://www.rfci.com/index.php?option=com_content&amp;view=article&amp;id=101&amp;Itemid=100">http://www.rfci.com/index.php?option=com_content&amp;view=article&amp;id=101&amp;Itemid=100</a>	<a href="http://www.scscertified.com/gbc/floorscore.php">http://www.scscertified.com/gbc/floorscore.php</a>
	<b>Forest Stewardship Council (FSC)</b> <ul style="list-style-type: none"> <li>FSC 100%</li> <li>FSC Mixed Sources</li> <li>FSC Recycled</li> </ul>	Forest products (including paper)	<ul style="list-style-type: none"> <li>Habitat destruction</li> <li>Water pollution</li> <li>Displacement of indigenous peoples or wildlife</li> <li>Respect rights of workers</li> <li>Reduction of environmental impact of logging activities</li> <li>Identification and appropriate management of areas that need special protection (e.g. cultural or sacred sites, habitat of endangered animals or plants)</li> </ul>	Recognizes forest products that come from responsible sources. The harvesting, manufacturing, and the end product are tracked through chain-of-custody (CoC) process. The FSC label certifies wood products originated from that lands throughout the world.	<a href="http://info.fsc.org/">http://info.fsc.org/</a>	<a href="http://www.fsc.org/">http://www.fsc.org/</a>
 	<b>GREENGUARD</b> <ul style="list-style-type: none"> <li>GREENGUARD Indoor Air Quality Certified®</li> <li>GREENGUARD Children &amp; SchoolsSM Certified</li> <li>GREENGUARD PremierSM Certified</li> <li>GREENGUARD Building ConstructionSM Certified</li> </ul> <b>GREENGUARD Environmental Institute's formaldehyde free declaration</b> <b>GREENGUARD Listings Programs:</b> <ul style="list-style-type: none"> <li>Chemical Emissions Listings</li> <li>Microbial Resistance Listings</li> </ul>	Low-emitting building materials, furniture, furnishings, finishes, cleaning products, electronics and consumer products	<ul style="list-style-type: none"> <li>VOC emissions</li> <li>Mold growth resistance</li> <li>Chemicals emissions</li> </ul>	Certifies individual products or complete product lines that meet strict standards for indoor air quality, addressing the presence of formaldehydes, heavy metals and toxins.	<a href="http://www.greenguard.org/en/QuickSearch.aspx">http://www.greenguard.org/en/QuickSearch.aspx</a> <b>List of products tested for chemical emissions:</b> <a href="http://www.greenguard.org/en/CertificationPrograms/listingprograms_copy1/certificationprograms_listedproducts.aspx">http://www.greenguard.org/en/CertificationPrograms/listingprograms_copy1/certificationprograms_listedproducts.aspx</a> <b>List of products found to resist the mold of growth:</b> <a href="http://www.greenguard.org/en/CertificationPrograms/listingprograms_copy1/CertificationPrograms_microbialProgram.aspx">http://www.greenguard.org/en/CertificationPrograms/listingprograms_copy1/CertificationPrograms_microbialProgram.aspx</a>	<a href="http://www.greenguard.org/en/index.aspx">http://www.greenguard.org/en/index.aspx</a>

# THIRD-PARTY CERTIFICATION PROGRAMS - Table 1. for Products (cont.)




Logo	Name (bullets indicate label categories)	Target Group	Evaluated Attributes	Description	List of Certified Products	Website
	<b>Green Seal</b>	Construction materials & equipment, food packaging, hand soaps & cleaners, household products, institutional cleaning products, paints & coatings, paper towels, napkins & tissue paper, printing & writing paper, vehicles	<ul style="list-style-type: none"> <li>• Reduced toxicity</li> <li>• VOC emissions</li> <li>• Recycled post-consumer content</li> <li>• Life-cycle</li> <li>• Reduced reliance on petrochemical-based fuels, reduced emissions, and reduced air pollution</li> <li>• Energy efficiency</li> <li>• Packaging</li> </ul>	Green Seal develops life cycle-based sustainability standards for products, services and companies and offer third-party certification for those that meet the criteria in the standard	<a href="http://www.greenseal.org/FindGreenSealProductsAndServices.aspx">http://www.greenseal.org/FindGreenSealProductsAndServices.aspx</a>	<a href="http://www.greenseal.org/Home.aspx">http://www.greenseal.org/Home.aspx</a>
	<b>Level™</b> <ul style="list-style-type: none"> <li>• Level 1</li> <li>• Level 2</li> <li>• Level 3</li> </ul>	Furniture	<ul style="list-style-type: none"> <li>• Company's social actions</li> <li>• Design for Environment (DFE) label</li> <li>• EnergyStar equivalent of 60 or higher</li> <li>• Climate neutrality</li> <li>• Recycled content</li> <li>• Efficiency of material usage</li> <li>• Biodegradability</li> <li>• Selection of rapidly renewable materials</li> <li>• Life cycle assessments</li> <li>• Human and ecosystem health impacts</li> </ul>	Identifies products from the furniture industry that presents multiple sustainability attributes.	<a href="http://levelcertified.org/products/">http://levelcertified.org/products/</a>	<a href="http://levelcertified.org/">http://levelcertified.org/</a>
	<b>National Fenestration Rating Council (NFRC)</b>	Windows, doors, skylights, and attachment products	<ul style="list-style-type: none"> <li>• Energy performance (compliance with ASHRAE 90.1 and IECC):U-factor, Solar Heat Gain, etc</li> </ul>	Independent rating and labeling system for the energy performance of fenestration products.	<a href="http://search.nfrc.org/search/Searchdefault.aspx">http://search.nfrc.org/search/Searchdefault.aspx</a>	<a href="http://www.nfrc.org/">http://www.nfrc.org/</a>

# THIRD-PARTY CERTIFICATION PROGRAMS - Table 1. for products (cont.)


Logo	Name (bullets indicate label categories)	Target Group	Evaluated Attributes	Description	List of Certified Products	Website
	<p><b>Scientific Certification System (SCS)</b></p> <ul style="list-style-type: none"> <li>Indoor Advantage™</li> <li>Indoor Advantage™ Gold</li> <li>calCOMpliant™ Certification (CARB ATCM)</li> <li>Environmentally Preferable Carpet Fiber</li> <li>Environmentally Preferable Product</li> <li>SCS Biodegradable</li> <li>SCS No added Formaldehyde</li> <li>SCS No added UreaFormaldehyde</li> <li>SCS Reclamation Program</li> <li>SCS Recycled Content</li> <li>SCS Salvaged Wood</li> <li>SCS Sustainable Choice</li> </ul> <p>* FloorScore®, FSC, and Level™ are also certification programs administered by SCS</p>	<p>Accessories, adhesives &amp; sealants, apparel, architectural wall, building &amp; construction products, building décor, electronics, flooring, furniture, home &amp; garden products, jewelry, mailing, packing &amp; shipping supplies, office supplies, paints &amp; coatings, paper &amp; pulp products, plastics, precious metal, reclamation process or program, rock, textiles &amp; fiber, treatment, wallcovering</p>	<ul style="list-style-type: none"> <li>Indoor air quality</li> <li>Recycled content</li> <li>Biodegradability</li> <li>Absence of formaldehyde and added urea-formaldehyde</li> <li>Sustainable forestry practices</li> </ul>	<p>Independent certification and verification of environmental, sustainability, stewardship, food quality, food safety and food purity claims.</p>	<p><a href="http://www.scscertified.com/products/">http://www.scscertified.com/products/</a></p>	<p><a href="http://www.scscertified.com/index.php">http://www.scscertified.com/index.php</a></p>
	<p><b>Sustainable Forestry Initiative (SFI)</b></p> <ul style="list-style-type: none"> <li>Certified Chain of Custody SFI Labels</li> <li>Certified Sourcing SFI Label</li> </ul>	<p>Wood building products, paper, print &amp; packaging products</p>	<ul style="list-style-type: none"> <li>Protection of biodiversity, species at risk and wildlife habitat</li> <li>Sustainable harvest levels</li> <li>Protection of water quality</li> </ul>	<p>Certifies wood products obtained through sustainable forest practices and verified through chain-of-custody (CoC) process. Unlike the FSC label, the SFI label only certifies lands in the United States and Canada.</p>	<p><a href="http://64.34.105.23/PublicSearch/MainSearch.aspx?AspxAutoDetectCookieSupport=1">http://64.34.105.23/PublicSearch/MainSearch.aspx?AspxAutoDetectCookieSupport=1</a></p>	<p><a href="http://www.sfiprogram.org/">http://www.sfiprogram.org/</a></p>
	<p><b>WaterSense</b></p>	<p>Bathroom Sink Faucets, toilets, flushing urinals, shower-heads, new homes</p>	<ul style="list-style-type: none"> <li>Flow rate (gallons per minute - gpm)</li> <li>Flush volume (gallons)</li> <li>Compliance with ASME standards</li> </ul>	<p>Identifies products that have been independently tested and certified to meet EPA criteria for water-efficiency and performance.</p>	<p><a href="http://www.epa.gov/WaterSense/products/index.html">http://www.epa.gov/WaterSense/products/index.html</a></p>	<p><a href="http://www.epa.gov/WaterSense/index.html">http://www.epa.gov/WaterSense/index.html</a></p>

# THIRD-PARTY CERTIFICATION PROGRAMS

Table 2. for Buildings

Logo	Name (bullets indicate label categories)	Target Group	Administrator	Description	Website
	<b>ENERGY STAR</b> The rating system is set up as a 1–100 scale <ul style="list-style-type: none"> <li>• 50 indicates average energy performance</li> <li>• 75 or better indicates top performance</li> </ul>	Commercial and institutional buildings, homes	U.S. Environmental Protection Agency, 1999	Using a free online tool from EPA that calculates performance – the Portfolio Manager – projects must achieve a rating of 75 or higher in a 1-100 scale to achieve an EnergyStar building label.	<a href="http://www.energystar.gov/">http://www.energystar.gov/</a>
	<b>Green Globes</b> <ul style="list-style-type: none"> <li>• 1 Globe</li> <li>• 2 Globes</li> <li>• 3 Globes</li> <li>• 4 Globes</li> </ul>	New and existing commercial buildings	<ul style="list-style-type: none"> <li>• BOMA Best - Building Owners and Managers Association of Canada (InCanada), 2000</li> <li>• Green Building Initiative (in the U.S.)</li> </ul>	Classification system that utilizes an online platform to assess Energy, Indoor Environment, Site, Water, Resources, Emissions, and Project/Environmental Management. Facilities can be rated as having 1, 2, 3, or 4 globes depending on their performance.	<a href="http://www.greenglobes.com/">http://www.greenglobes.com/</a>
	<b>LEED: Leadership in Energy and Environmental Design</b> <ul style="list-style-type: none"> <li>• LEED Certified</li> <li>• LEED Silver</li> <li>• LEED Gold</li> <li>• LEED Platinum</li> </ul>	New and existing commercial and institutional buildings, homes	<ul style="list-style-type: none"> <li>• U.S Green Building Council (USGBC), 1998</li> <li>• Canada Green Building Council</li> </ul>	Being now in its 3rd version, LEEDv3. It is probably the best known classification system for building and communities design. LEED was adapted by the Canada Green Building Council to LEED Canada-NC v1.0 in 2003, which was updated to LEED Canada NC 2009.  <b>Green Building Design &amp; Construction</b> <ul style="list-style-type: none"> <li>• LEED for New Construction</li> <li>• LEED for Core &amp; Shell Development</li> <li>• LEED for Schools</li> <li>• LEED for Retail: New Construction and Major Renovations</li> <li>• LEED for Healthcare</li> </ul> <b>Green Interior Design &amp; Construction</b> <ul style="list-style-type: none"> <li>• LEED for Retail: Commercial Interior</li> </ul> <b>Green Building Operations &amp; Maintenance</b> <ul style="list-style-type: none"> <li>• LEED for Existing Buildings: Operations &amp; Maintenance</li> </ul> <b>Green Neighborhood Development</b> <ul style="list-style-type: none"> <li>• LEED for Neighborhood Development Green Home Design and Construction</li> <li>• LEED for Homes</li> </ul>	<a href="http://www.usgbc.org/Display-Page.aspx?CategoryID=19">http://www.usgbc.org/Display-Page.aspx?CategoryID=19</a>





## THIRD-PARTY CERTIFICATION PROGRAMS - Table 2. for buildings (cont.)

Logo	Name (bullets indicate label categories)	Target Group	Administrator	Description	Website
	<p><b>Living Building Challenge</b> Certification requires compliance with all “Imperatives”, subdivisions of the “Petals” which are major performance areas</p>	<p>Buildings at all scale, including new construction and renovation, to infrastructure, landscapes and neighborhoods</p>	<p>Cascadia Green Building Council, 2006</p>	<p>The Living Building Challenge goes one step further from similar rating programs and includes “Beauty” and “Equity” as two of the major performance areas to be considered in design besides Site, Water, Energy, Health, and Materials . The 7 performance areas are called “Petals”, all of each are subdivided in Imperatives. Another unique aspect is that certification is issued based on actual performance rather than modeled or anticipated performance. Projects that have proved enhanced performance over the course of at least 12 consecutive months are awarded certification. The 1st Living Building was the Omega Center for Sustainable Living in New York in October 2010. The Hawai’i Preparatory Academy Energy Lab in Big Island-Waimea is pursuing certification and if awarded will be the 1st of its kind to meet the Challenge.</p>	<p><a href="https://ilbi.org/">https://ilbi.org/</a></p>



# THIRD-PARTY CERTIFICATION PROGRAMS

Table 3. for Professionals

Logo	Name (bullets indicate label categories)	Target Group	Administrator	Description	Website
	<b>Certified Green Building Engineers (GBE)</b>	Buildings of all types	Association of Energy Engineers	Identifies persons with acceptable knowledge of the principles and practices of green building engineering related disciplines and laws governing and affecting professionals. Professional Engineers and Registered Architects can perform verification for buildings seeking the ENERGY STAR label.	<a href="http://www.aeecenter.org/i4a/pages/index.cfm?pageID=3354">http://www.aeecenter.org/i4a/pages/index.cfm?pageID=3354</a>
	<b>Certified Green Professional (CGP)</b>	Homes	National Association of Home Builders (NAHB)	Designation given to builders, remodelers, and other industry professionals that implement green building practices into homes without significantly increasing the construction costs. Requirements include curriculum, experience, and training courses.	<a href="http://www.nahb.org/category.aspx?sectionID=1174">http://www.nahb.org/category.aspx?sectionID=1174</a>
	<b>ENERGY STAR Licensed Professional</b>	Commercial and institutional buildings, homes	U.S. Environmental Protection Agency	Professional Engineers and Registered Architects that are legally allowed to validate the Statement of Energy Performance (SEP) and Data Checklist. For buildings pursuing ENERGY STAR certification, these documents communicate to EPA the building's energy performance, its operating physical characteristics, and whether it meets industry standards for thermal comfort, adequate ventilation and illumination.	<a href="http://www.energystar.gov/index.cfm?fuseaction=PE_DIRECTORY">http://www.energystar.gov/index.cfm?fuseaction=PE_DIRECTORY</a>
	<b>LEED Green Associate LEED AP (Accredited Professional)</b> • LEED AP BD+C (Building Design+Construction) • LEED AP ID+C (Interior Design+Construction) • LEED AP Homes • LEED AP O+M (Operations and Maintenance) • LEED AP ND (Neighborhood Development) <b>LEED AP Fellow</b>	New construction and renovation of commercial, institutional and residential buildings	U.S Green Building Council (USGBC)	Credential issued by the USGBC to professionals that proved to have advanced technical knowledge in the LEED certification system after taking the LEED Professional Exams.	<a href="http://www.usgbc.org/Display-Page.px?CMSPageID=1815">http://www.usgbc.org/Display-Page.px?CMSPageID=1815</a>

## Other third-party certification programs mentioned in this guide



**California Air Resource Board and Ozone Transport Commission (CARB/OTC):** for formaldehyde and VOC emissions. CARB Phase 1 sets thresholds for hardwood plywoods, particle board and medium density fiber (MDF) that are effective in January and July 2009. CARB Phase 2 sets more stringent standards that are effective in January 2011, January 2012 and July 2012.

[https://www.iaaqaservices.bureauveritas.com/reach-ccr/regulation\\_updates/65556.html](https://www.iaaqaservices.bureauveritas.com/reach-ccr/regulation_updates/65556.html) and <http://www.otcair.org/>



**CarbonFree:** products that undergo an intensive life-cycle assessment (LCA) to calculate the emissions resulting from each phase in the life of the product including manufacturing, shipping and usage.

<http://www.carbonfund.org/>



**Collaborative for High Performance Schools (CHPS):** database of sustainable and healthy products for high-performance buildings selected by the Collaborative for High Performance Schools.

<https://www.chpsregistry.com/live/>



**Cool Roof Rating Council (CRRC):** organization that maintains a third-party rating system for radiative properties of roof surfacing materials.

<http://www.coolroofs.org/>



**EcoLogo:** is Canada's environmental product certification. It has issued standards for over 300 product categories (such as flooring, paint, electricity, cleaners, office equipment, and paper products), many of which are sold in the United States.<sup>1</sup>

<http://www.ecologo.org/en/greenproducts/>

<sup>1</sup> Retrieved from Responsible Purchasing Network website <http://www.responsiblepurchasing.org/>



**Global Organic Textile Standard (GOTS):** is recognized as the leading processing standard for textiles made from organic fibres worldwide. It defines high level environmental criteria along the entire supply chain of organic textiles and requires compliance with social criteria as well.

<http://www.global-standard.org/the-standard.html>



**Greener Product:** a Greener Product LLC Certification Seal demonstrates that a product complies with the LEED, LEED for Homes and NAHB standards, qualifying to earn credits that contribute to certification under those green building rating systems.

[http://www.greenerproduct.com/learn/GPCertificationSEAL/Home\\_GP\\_Certification7.aspx](http://www.greenerproduct.com/learn/GPCertificationSEAL/Home_GP_Certification7.aspx)



**Green Wise:** paintings and coatings that do not contain chemicals which have been determined to be harmful to humans for the environment and meet LEED requirements for VOC levels.

<http://www.greenwisepaint.com/about/>



**Master Painters Institute (MPI) Green Performance Standard:** assesses performance, chemical component restrictions and maximum allowable limits of volatile organic compounds (VOCs) - as determined by U. S. Environmental Protection Agency (EPA) Reference Test Method 24, Code of Federal Regulations Title 40, Part 60, Appendix A - for paintings and coatings.

<http://www.specifygreen.com/EvrPerf/EnvironmentalPerformance.html>

## Other third-party certification programs mentioned in this guide (cont.)



**Nordic Swan Ecolabel:** evaluates a product's impact on the environment throughout the whole lifecycle. Guarantees among other things that climate requirements are taken into account, and that CO2 emissions (and other harmful gasses) are limited.

<http://www.nordic-ecolabel.org/>



**North American Laminate Flooring Association (NALFA):** laminate flooring made with natural resources like wood chip fiberboard, recyclable, free of air-damaging chemicals, complies with formaldehyde emissions regulations for laminate flooring core board set forth by the California Air Resources Board (CARB), comprised of recycled content that may contribute points to the Leadership in Energy and Environmental Design (LEED) standards for homes and businesses, and requires no special glues or adhesives during installation (eliminating VOCs) and no special cleaners for proper cleaning and maintenance (improving air quality).

[http://nalfa.com/eco\\_benefits.php](http://nalfa.com/eco_benefits.php)



**NAHB Green Approved:** Products are products that the National Association of Home Builders (NAHB) Research Center has approved as being eligible to contribute points toward certification of a building under the National Green Building Standard.™

<http://www.nahbgreen.org/Resources/greenapprovedproducts.aspx>



NSF Certified  
www.nsf.org

**NSF 140 and NSF:** NSF 140 is the National Science Foundation certification for sustainable carpeting. NSF also assesses products committed to public health, safety, and protection of the environment.

<http://www.nsf.org/business/newsroom/pdf/Sustainability2.pdf> and <http://www.nsf.gov/>



**Organic Materials Review Institute:** listing of products that comply with U.S. Department of Agriculture (USDA) organic standards for organic production.

<http://www.omri.org/>



**Rainforest Alliance:** farms, forestry operations and other businesses that meet environmental, social and economic criteria. The Rainforest Alliance offers certification, verification and validation for agriculture, forestry, tourism, and forest carbon services.

<http://www.rainforest-alliance.org/certification-verification>



**RoHS:** European Union standard that restricts the use of certain hazardous substances in electrical and electronic equipment such as lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), polybrominated diphenyl ether (PBDE). PBB and PBDE flame retardants used in several plastics.

<http://www.rohs.eu/english/index.html>



**WoolSafe:** environmentally responsible cleaning products that meet the requirements of Green Seal or Environmental Choice/EcoLogo for their environmental impact. The difference between CRI Seal of Approval and WoolSafe certification is that the last one is applicable to carpets and rugs made from all fiber types but with emphasis on wool and other natural fibres. Also, WoolSafe has higher performance and safety standards to accommodate the properties of the wool fibre.

[http://www.wool-safe.org/what\\_mark\\_means](http://www.wool-safe.org/what_mark_means)

- ANSI/BIFMA <http://www.bifma.org/standards/index.html>
- ATS: Recycled goods certification from S. Korea
- CEC: California Energy Commission <http://www.energy.ca.gov/>
- CPG: Comprehensive Procurement Guidelines <http://www.epa.gov/epawaste/conservation/tools/cpg/index.htm>
- EPA GreenScapes Program <http://www.epa.gov/epawaste/conservation/rrr/greenscapes/index.htm>
- ISO 14001 [http://www.iso.org/iso/iso\\_14000\\_essentials](http://www.iso.org/iso/iso_14000_essentials)
- MLIT I-4 star, Japanese certification for products involving formaldehyde-emitting materials <http://www.sp.se/en/index/services/qualityandtesting/japancert/Sidor/default.aspx>
- Solar Keymark <http://www.estif.org/solarkeymark/>
- Timber Products Inspection <http://www.tpinspection.com/>

# IV. PRODUCT LIST

Before you use the product listing table...

- Words such as [biobased](#), [biodegradable](#), [formaldehydes](#), [post-consumer recycled content](#), [post-industrial or pre-consumer recycled content](#), [rapidly renewable](#), [renewable energy](#), are frequently used in this table and their definition can be found in the [Definitions](#)
- All the other highlighted words can be found in the [Definitions](#)

## HOW TO USE THE ENVIRONMENTAL PRODUCT GUIDE (EPG)

### CONSTRUCTION SPECIFICATION INSTITUTE (CSI) MASTER FORMAT

Products are organized under major categories of CSI MasterFormat. Check Table of Contents for guidance

- ORIGIN OF SUPPLY  
Where the product is being shipped from to a specific vendor

- IS: In Stock
- SO: Special Order
- OI: Off-Island (no local representative)

- ENVIRONMENTALLY PREFERABLE FEATURES
  - Percentage of recycled content (post-consumer or post-industrial)
  - Primary raw materials used to manufacture the product (if the product is bio based, produced with rapidly renewable materials, is recovered, reused, etc.);
  - Afterlife options (recyclable, biodegradable, reusable, or if the product has to be disposed in a landfill at the end of its life-cycle)
  - Energy and water usage

- LIFESPAN AND WARRANTY  
The more durable a product is, the lower the replacement rate and the higher the amount of waste diverted from landfills. A long warranty confirms the quality and durability properties of the product.

- ADDITIONAL INFORMATION
  - Impacts of production process: extraction, fossil fuel usage, byproducts created, etc;
  - Packaging procedures
  - Relevant memberships
  - Other environmentally responsible corporate practices

### 09 00 00 FINISHES

### VOLATILE ORGANIC COMPOUND (VOC) LEVEL

Whether the product contains certain carbon-based chemicals that easily evaporate at room temperature (volatile organic compounds) and at levels that are unsafe for human health.

### TOXICITY

This column gives information about the presence or absence of hazardous chemicals (ex.: mercury-free), such as formaldehydes, lead, PVC, and others, as well as compliance with [California Proposition 65 \(CAL Prop 65\)](#)

PRODUCT NAME	DISTRIBUTION			ORIGIN OF SUPPLY	THIRD PARTY CERTIFICATION	VOC LEVELS	TOXICITY	ENVIRONMENTALLY PREFERABLE FEATURES	WARRANTY/LIFESPAN (IN YEARS)	ADDITIONAL INFO	
	COMPANY NAME	IS	SO								OI
Relay RE Resilient Sheet Flooring	Mannington Commercial	X			Salem, NJ	- SCS - FloorScore	Zero VOC	PVC	- Energy efficient - Water conserving - 20% Post-Consumer; 15% Post-Industrial (Pre-Consumer) - Recyclable	5 / 30	- Recycled content certified by First Environment: 35% Total Recycled Content - Recommended adhesive, V-95, meets LEED Credit 4.1 Low Emitting Materials -- Adhesives & Sealants; Manufacturing facility is certified ISO 14001 and ISO 9001
Reset Rubber Flooring	Mannington Commercial	X			Lancaster, PA	- SCS - FloorScore	Zero VOC		- Energy efficient - Water conserving - 72% - 91% Post-Consumer - Recyclable	5 / 20	The recommended adhesive, MR-710, meets LEED certification criteria under Credit 4.1 Low Emitting Materials, Adhesives & Sealants
Edge Effects TP Wall Base	Mannington Commercial	X			San Jose, CA	- SCS - FloorScore	Zero VOC		- Energy efficient - Water conserving - 10% Post-Industrial (Pre-Consumer) recyclable	5 / 20	The recommended adhesive, MR-101, meet LEED criteria for certification under Credit 4.1 Low Emitting Materials -- Adhesives & Sealants
Plyboo Strand	Smith & Fong Plyboo		X		Fremont CA	- FloorScore - FSC			- Rapidly renewable	25, 15 residential, 10 commercial / NA	Floor Score Cert.# SCS-FS-02130
Durapalm Flooring	Smith & Fong Plyboo		X		48900 Milmont Dr, Fremont CA 94538	NAF		No-added Formaldehyde		25, 15 residential, 10 commercial / NA	- Made of dying, dead, or non-fruit yielding trees



## 03 00 00 CONCRETE

## LOOK FOR PRODUCTS WITH:

- Concrete mixtures with partial cement substitutes such as Fly Ash
- Aggregate that is made from recycled materials or locally sourced materials
- Sealants that have Zero or Low VOC
- Sealants made from plant-based sources

## THIRD-PARTY CERTIFICATION PROGRAMS:



Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Class F Fly Ash</b> Mineral admixture to concrete mix	<b>Hawaiian Cement</b>	X			China	---	---	Trace metals	Conserves resources	---	By-product of coal combustion in power plants: substituting fly ash for portland cement lowers demand for virgin resources
<b>Earth Shield</b> Waterstop	<b>JP Specialties, Inc. / Earth Shield Waterstop</b>		X		Lake Elsinore, CA	GreenSpec	Zero VOC	---	- Rapidly renewable - PVC replacement - Reusable - Recyclable	-- / 100+	Transportation efficiency
<b>EcoProcote Deco-Poz</b> Resurfacing System	<b>Green Builders Depot</b>	X			AZ	---	---	---	- Contains 25% recycled pozzolan mineral additive - Uses a non-hazardous polymer	---	---
<b>EcoProcote Eco-Etch</b> Concrete Etch & Cleaner	<b>Green Builders Depot</b>	X			AZ	---	---	---	Biobased	---	- Organic blend of plant based extracts and cleaning surfactants - Will not burn skin and is non corrosive to metals
<b>EcoProcote SoyCrete</b> Concrete Stain	<b>Green Builders Depot</b>	X			AZ	---	---	---	>70% biobased recycled content	---	No film to flake or peel
<b>Envonic Chem-trete</b> Penetrating sealant	<b>Williams Pacific, Inc.</b>		X		Parsippany, NJ	---	Low VOC: 375 g/L	---	Biodegradable products available	-- / 20	Increases durability of material it is applied to
<b>Fastfoot</b> Concrete forming fabric	<b>CastleBlock Hawaii</b> <b>Fab-Form Industries</b>	X			Surrey, BC Canada	GreenSpec	Zero VOC	---	- Energy efficient - Reused - Water conserving - Recyclable	-- / 100+	- Conserves wood materials - Prevents leaching of concrete contaminates into groundwater - LEED point contributing
<b>Faswall</b> Wood fiber-cement building blocks	<b>ShelterWorks Ltd.</b>		X		Philomath, OR	---	Zero VOC	---	- Energy efficient - Reused - Biobased - Biodegradable - Recyclable	-- / 100+	- Pallet wood made into chips - R-21 insulation value

**05 00 00 METALS****LOOK FOR PRODUCTS WITH:**

- Recycled content
- Energy efficiency

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Simpson Strong-Tie Connectors</b>	<b>Simpson Strong-Tie Company</b>	X			Pleasanton, CA	---	---	---	<ul style="list-style-type: none"> <li>- 31.6%: total recycled content</li> <li>- 24.6%: post-consumer recycled content</li> <li>- 6.6%: post-industrial recycled content</li> <li>- Recyclable</li> </ul>	Unlimited / --	Simpson Strong-Tie products can earn or contribute to credits under LEED for Homes EA 1.2, EA 2.2, MR 1.4, MR 2.2 and MR 3.2
<b>SIPS Steel Structural Insulated Panels</b>	<b>Island Resorts Trust LLC</b>			X	Jackson, MS	---	---	---	<ul style="list-style-type: none"> <li>- Energy efficient: 4.25 R-value thermal transmittance, lowering interior cooling demand</li> <li>- Rapidly renewable</li> <li>- Recycled steel content</li> <li>- Recyclable</li> </ul>	-- / 100	<ul style="list-style-type: none"> <li>- Mold, water, and insect resistant</li> <li>- Meets new Florida and Gulf Coast hurricane requirements: up to 230 MPH wind loads</li> </ul>

**06 00 00 WOOD PLASTICS & COMPOSITES**

**LOOK FOR PRODUCTS WITH:**

- Recycled content
- No added urea-formaldehyde (NAUF)
- Locally sourced materials or from FSC or SFI certified forests
- GREENGUARD and/or SCS certified products for optimal indoor air quality

**THIRD-PARTY CERTIFICATION PROGRAMS:**



Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>American Plastic Lumber</b> Bridge and railroad components	American Plastic Lumber, Inc.		X		Shingle Springs, CA	---	---	---	- Rapidly renewable - Reused - 95-100% recycled, +/- 65% post-consumer, 35% post-industrial (average) - R-value: +/- .9 per inch - Reusable - Recyclable	50 / 50+	- 100% HDPE composite railroad ties, crossties, and structural "I" Beams - Durable: will not rust, splinter, crumble, rot, absorb moisture or leach toxic chemicals into the environment
<b>American Plastic Lumber</b> Custom and dimension plastic lumber	American Plastic Lumber, Inc.		X		Shingle Springs, CA	---	---	---	Same as above	50 / 50+	- Non-toxic during manufacturing - Mildew resistant, durable
<b>American Plastic Lumber</b> Decks and railings	American Plastic Lumber, Inc.		X		Shingle Springs, CA	---	---	---	Same as above	50 / 50+	- Non-toxic during manufacturing - Mildew resistant, durable
<b>American Plastic Lumber</b> Fiber reinforced structural plastic lumber	American Plastic Lumber, Inc.		X		Shingle Springs, CA	---	---	---	Same as above	50 / 50+	- Non-toxic during manufacturing - Mildew resistant, durable
<b>American Plastic Lumber</b> Marine Timbers, Piles, Docks and Fenders	American Plastic Lumber, Inc.		X		Shingle Springs, CA	---	---	---	Same as above	50 / 50+	- Non-toxic during manufacturing - Mildew resistant, durable

## 06 00 00 WOOD PLASTICS &amp; COMPOSITES (cont.)

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>American Plastic Lumber</b> Sheet goods, recycled HDPE	<b>American Plastic Lumber, Inc.</b>		X		Shingle Springs, CA	---	---	---	- Rapidly renewable - Reused - 95-100% recycled, +/- 65% post-consumer, 35% post-industrial (average) - R-value: +/- .9 per inch - Reusable - Recyclable	20-50 / 20-50	- Recycled <b>HDPE</b> Plastic (plywood) sheet goods - Durable - Stress crack resistant - High tensile strength - Moisture resistant - Impervious to most chemicals - High energy absorption
<b>AZEK Building Products</b> Cellular PVC Decking, Railing, Trim and Moulding Products	<b>Honolulu Wood Treating, LLC.</b>	X			USA and Canada	---	---	PVC	- Energy efficient - Durable - Recyclable	Lifetime / 25+	- Cellular PVC contains >50% hydrocarbon content - Excellent durability, long life cycle - Zero off-gassing - Maintenance free - UV resistant - 100% termite resistant
<b>D-Blaze</b> Interior Fire Retardant Treated Wood	<b>Viance LLC</b>		X		Sumner WA	---	Zero VOC	---	- Energy efficient - Rapidly renewable - Water-based - Reusable	50 / 50+	Wood from managed forests is considered a renewable resource
<b>DeWils</b> Custom Cabinetry	<b>EMEE Kitchens &amp; Baths, LLC</b>		X		Vancouver, WA	- FSC - SFI - Japanese MLIT I-4 star	---	- Formaldehyde - PVC	- Biodegradable - Reusable - Recyclable	12 / 30+	- Responsible corporate practices - 46% recycled content packaging - Energy efficient lighting at factory
<b>Fiberon</b> Composite Railing	<b>HPM</b>	X			New London, NC and Meridian, ID	EPA GreenScapes	---	---	- Up to 84% recycled content from locally-sourced recycled materials - Durable	Limited / 20	Produced in an energy efficient, virtually waste-free manufacturing process
<b>Fiberon</b> Composite Decking	<b>HPM</b> <b>Vandermeer Forest Products</b>	X			New London, NC and Meridian, ID	EPA GreenScapes	Zero VOC	- PVC - HDPE	- Made from locally-sourced, recycled materials - Up to 84% recycled content - Durable	Limited / 20	Produced in an energy efficient, virtually waste-free manufacturing process
<b>Fiberon</b> Composite Fencing	<b>HPM</b>		X		New London, NC and Meridian, ID	EPA GreenScapes	---	---	- Made from locally-sourced, recycled materials - Up to 84% recycled content - Durable	Limited / 20	Produced in an energy efficient, virtually waste-free manufacturing process
<b>HPM</b> Dimensional lumber and plywood	<b>HPM</b>		X		---	FSC	---	---	---	---	---
<b>HPM</b> Truss	<b>HPM</b>		X		Keaau, HI	FSC	---	---	Trusses made with FSC Certified wood	---	Locally manufactured in Keaau, HI

## 06 00 00 WOOD PLASTICS &amp; COMPOSITES (cont.)

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>iLevel by Weyerhaeuser</b> Engineered Lumber Products	<b>Honolulu Wood Treating, LLC.</b>	X			USA and Canada	NAHB Green Approved SFI	---	---	- Energy efficient - Rapidly renewable - Water conserving - Reusable - Recyclable	Lifetime of structure / --	- Timber and Wood Fiber from SFI certified forest land in the US and Canada - Sustainable Forestry Practices: SFI Third Party Certified Timber Land Environmental Responsible Corporate Practices
<b>Kelleher Corporations</b> Molding and trim	<b>HPM</b>		X		---	FSC	---	---	---	---	---
<b>MiraTEC</b> Treated exterior composite trim	<b>HPM</b>		X		---	SCS	---	No added urea formalde-hyde	- Made from wood that is byproduct from other operations - Durable: moisture and termite resistant	Limited / 50	- USGBC member - Primed with a low VOC primer and mildewicide
<b>Nevamar</b> Laminate	<b>Pacific American Lumber</b>	X			CA	GREENGUARD FSC	---	- Phenol - Formalde-hyde	- 13 to 17% post-industrial recycled content - Up to 9% rapidly renewable material content	---	- Environmentally responsible corporate practices - Qualifies for LEED credits: MR6 Rapidly Renewable Material; MR4 Recycled Content
<b>Pionite</b> Laminate	<b>Pacific American Lumber</b>	X			Auburn, ME	GREENGUARD FSC	---	No Urea-Formaldehyde Resins	- 16 to 21% post-industrial recycled content - 9% rapidly renewable material content	---	Qualifies for LEED credits: MR 4 Recycled Content; MR6 Rapidly Renewable Material; EQ 4.4 Low Emitting Materials
<b>Plywood, lumber and millwork</b>	<b>Architectural Woods, Inc.</b>		X		USA	FSC	---	No added urea formalde-hyde	---	---	CARB compliant (California Air Resource Board,) for formaldehyde-free wood products
<b>Preserve ACQ</b> Pressure Treated Wood	<b>Viance LLC</b>	X			Sheridan, OR Sumner, WA	NAHB Green Approved	Zero VOC	Copper	- Energy efficient - Rapidly renewable - Reused - Water-based - Reusable	Limited lifetime / 50+	Wood from managed forests is considered a renewable resource
<b>Timber Products</b> Plywood	<b>Pacific American Lumber</b>		X		OR	GREENGUARD FSC	---	---	- Biodegradable - Reusable - Recyclable	---	---
<b>TimberSaver</b> Pressure Treated Wood	<b>Viance LLC</b>	X			Sheridan, OR Sumner, WA	Timber Products Inspection	Zero VOC	---	- Rapidly renewable - Water-based - Energy efficient - Reused - Reusable	20-40 / 50+	Wood from managed forests is considered a renewable resource
<b>TimberTech</b> Composite Decking	<b>HPM</b>		X		Wilmington, OH	---	---	---	- 12% post-consumer recycled plastic (HDPE) - All wood is pre-consumer recycled content	Residential: 25 Commer-cial: 10 / --	- USGBC member - Product scrap is reclaimed into manufacturing process, which saves wood and plastic waste from reaching landfill

**06 00 00 WOOD PLASTICS & COMPOSITES (cont.)**

Product Name	Distribution			Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info	
	Company Name	IS	SO								OI
<b>Durapalm</b> Plywood	<b>Maui Laminates Inc.</b> <b>Smith &amp; Fong Plyboo</b>	X			Kahului, HI	---	---	No added urea formalde-hyde	- Biobased - Reusable	5 / varies	Made of dying, dead, or non-fruit yielding trees
<b>PlybooPure FSC Pure</b> Plywood	<b>Maui Laminates Inc.</b> <b>Smith &amp; Fong Plyboo</b>	X			Kahului, HI	FSC SCS Indoor Advantage Gold	Zero VOC	---	- Biobased - Rapidly renewable - Reusable	5 / varies	---
<b>PlybooStrand Plyboo Pure</b> Plywood	<b>Maui Laminates Inc.</b> <b>Smith &amp; Fong Plyboo</b>	X			Kahului, HI	FSC SCS Indoor Advantage Gold	Zero VOC	No added urea formalde-hyde	- Rapidly renewable - Reusable	5 / varies	---
<b>Plyboo Squared</b> Plywood	<b>Maui Laminates Inc.</b> <b>Smith &amp; Fong Plyboo</b>	X			Kahului, HI	FSC SCS Indoor Advantage Gold	Zero VOC	---	- Rapidly renewable - Reusable	5 / varies	---
<b>CONSTRUCTION ADHESIVE</b>											
<b>Green Link</b> Construction Adhesive	<b>Green Builders Depot</b>	X			MI	CARB & OTC	<32 g/L	CAL Prop 65	Energy efficient	Lifetime / --	- Durable - Non-carcinogenic - BioSafe product - USGBC member
<b>AFM safecoat almighty</b> Construction adhesive	<b>Green Builders Depot</b>	X			CA	---	<35 g/L	- Non-toxic - Solvent-free	---	Limited / --	- No odor on cure - Non-polluting



## 07 00 00 THERMAL & MOISTURE PROTECTION

### LOOK FOR PRODUCTS WITH:

- Insulation with a high R-Value and/or ENERGY STAR Certification  
For a full list of ENERGY STAR certified products:  
[http://www.energystar.gov/index.cfm?c=products.pr\\_find\\_es\\_products](http://www.energystar.gov/index.cfm?c=products.pr_find_es_products)
- Plant-based materials and/or Recycled content
- Greenguard or CHPS Low-Emitting Material Certification for optimal indoor air quality, and/or Zero or Low VOC materials
- Roofing materials that are: highly reflective, light colored, 'cool roof', and/or ENERGY STAR Certified
- Sealants that are non-toxic and/or compliant with RoHS for restricted hazardous materials,
- CAL Prop 65, or CARB & OTC standards
- Recyclability, Biodegradability, Cradle to Cradle Certification for after useful life

### THIRD-PARTY CERTIFICATION PROGRAMS:



Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Equinox</b> Adjustable louvered trellis	Equinox Hawaii	X			Romoland, CA	---	---	---	- Energy efficient - 20-95% recycled content - Recyclable	10 / 35	- Solar powered and insulating - Controls amount of light and heat let in by the roof & opens to ventilate - All off-cuts are recycled
<b>RainTech</b> Rain Tube	Green Builders Depot	X			---	Cradle to Cradle (C2C)	---	---	100% post-consumer recycled material	Lifetime / --	- Prevents damage to a home due to clogged gutters, increasing lifespan

## INSULATION

<b>Cacoon</b> Blow-In Attic Insulation	Home Depot	X			---	ENERGY STAR	---	---	- 85% recycled paper fiber content - Reduces energy loss and heat transfer	---	---
<b>CertainTeed</b> HVAC Insulation	HPM		X		USA and Canada	GREENGUARD ISO 14001 (manufacturing plant)	---	---	- Increases energy efficiency - Contains 20-80% recycled content	---	- USGBC member - ENERGY STAR partner
<b>CertainTeed</b> InsulSafe SP Blowing Wool Insulation	HPM		X		CO	GREENGUARD ISO 14001 (manufacturing plant)	---	---	Increases energy efficiency	Limited / Lifetime	- USGBC member - ENERGY STAR partner
<b>CertainTeed</b> SoftTouch Duct Wrap Insulation	HPM		X		USA and Canada	GREENGUARD	---	---	- Increases energy efficiency - Contains 20-25% recycled content	Limited / Lifetime	- USGBC member - ENERGY STAR partner - North American Insulation Manufacturers Association (NAIMA)
<b>CertainTeed</b> Sustainable Insulation Batts	HPM		X		McPherson, KS	GREENGUARD ISO 14001 (manufacturing plant)	---	---	- Increases energy efficiency - Contains 50% rapidly renewable content - Contains 35% recycled glass	---	- USGBC member - ENERGY STAR partner

## 07 00 00 THERMAL &amp; MOISTURE PROTECTION: INSULATION (cont.)

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>CertainTeed ThermaEZE</b> Thermal Insulation System	HPM		X		McPherson, KS	ENERGY STAR	---	No CFCs, HCFCs, HFCs or formaldehyde	Increases energy efficiency	---	- USGBC member - Reduces foundation heat transfer - The ThermaEZE system eliminates need for wood studs, conserving resources
<b>CertaPro Commercial Acousta-Therm</b> Insulation Batts	HPM		X		PA	GREENGUARD	---	---	- Increases energy efficiency - Contains 30-35% recycled content	---	- USGBC member - ENERGY STAR partner - North American Insulation Manufacturers Association (NAIMA)
<b>Guardian Ultra Fit DS PLUS</b> Insulation	HPM		X		USA	GREENGUARD	---	---	Increases energy efficiency	---	- ENERGY STAR partner - USGBC member
<b>Guardian FattBatt</b> Insulation	HPM		X		USA	GREENGUARD	---	---	- Highest R-value batt available in the market - Increases energy efficiency	---	- ENERGY STAR partner - USGBC member
<b>Guardian Attic Guard PLUS</b> Insulation	HPM		X		USA	GREENGUARD	---	---	Increases energy efficiency	---	- ENERGY STAR partner - USGBC member
<b>Guardian E-Z</b> Attic Insulation	HPM		X		USA	---	---	---	- 30% post-consumer recycled product - 5% post-industrial recycled product - Increases energy efficiency	---	- ENERGY STAR partner - USGBC member
<b>Guardian Fiberglass Insulation Asure R PLUS</b> Insulation	HPM		X		USA	GREENGUARD	---	---	Increases energy efficiency	---	- ENERGY STAR partner - USGBC member
<b>Guardian Premium ATS Hybrid System</b> Insulation system	HPM		X		USA	GREENGUARD	---	---	Increases energy efficiency	---	- ENERGY STAR partner - USGBC member
<b>Guardian SolarGuard</b> Reflective Insulation	HPM		X		USA	---	---	---	- Reflects 97% of radiant energy reaching surface - Increases energy efficiency	---	- ENERGY STAR partner - USGBC member
<b>Icynene</b> Polyurethane spray foam insulation	<b>Advanced Roofing Technology, Inc.</b>  <b>HAAS Insulation</b>		X		Canada	GreenSpec CHPS low-emitting material	---	HFC-free	- Energy saving - High R-value	---	- Insulates and air-seals in one step without need for extra sealing material, decreasing construction waste - Reduces moisture movement through building, extending material life

## 07 00 00 THERMAL &amp; MOISTURE PROTECTION: INSULATION (cont.)

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Incide PC</b> Cellulose Insulation	<b>Hawaii Insulation</b>	X			Michigan	---	Zero VOC	---	- Energy efficient - Rapidly renewable - Biodegradable - Reusable	50 / 50	- Derived from recycled newspaper - 3.7 R/inch
<b>International Cellulose Celbar</b> Sprayed acoustical & thermal insulation	<b>HAAS Insulation</b>		X		Houston, TX	---	< 1 ppm	Free of ammonium based additives	80% post- consumer recycled content	---	Qualifies for LEED credits: MR Credit 4.2: Recycled Content: 20%; EQ Credit 4.1: Low- Emitting Materials: Adhesives & Sealants
<b>International Cellulose K-13</b> Sprayed acoustical & thermal insulation	<b>HAAS Insulation</b>		X		Houston, TX	---	< 1.0 g/L	No urea-formalde-hyde	80% post- consumer recycled content	---	Qualifies for LEED credits: MR Credit 4.2: Recycled Content: 20%; EQ Credit 4.1: Low- Emitting Materials: Adhesives & Sealants
<b>International Cellulose Sona-Spray</b> Sprayed acoustical insulation	<b>HAAS Insulation</b>		X		Houston, TX	---	< 19.40 g/L	No urea-formalde-hyde	80% post- consumer recycled content	---	Qualifies for LEED credits: MR Credit 4.2: Recycled Content: 20%; EQ Credit 4.1: Low- Emitting Materials: Adhesives & Sealants
<b>Isolatek Cafco Blaze Shield HP</b> Rock wool based sprayed acoustical & thermal insulation	<b>HAAS Insulation</b>		X		Huntington, IN	---	Low VOC	---	56% post-industrial recycled content	---	Raw material supplied within 500 miles of manufacturing facility
<b>Isolatek Cafco Blaze Shield II</b> Rock wool based sprayed acoustical & thermal insulation	<b>HAAS Insulation</b>		X		Huntington, IN, and Birmingham, AL	---	Low VOC	---	67% post-industrial recycled content	---	Raw material supplied within 500 miles of manufacturing facility
<b>Isolatek Cafco Board</b> Rock wool based sprayed acoustical & thermal insulation	<b>HAAS Insulation</b>		X		Wabash, IN	---	Low VOC	---	>75% post-industrial recycled content	---	Raw material supplied within 500 miles of manufacturing facility
<b>Isolatek Cafco Heat Shield</b> Rock wool based sprayed acoustical & thermal insulation	<b>HAAS Insulation</b>		X		Huntington, IN	---	Low VOC	---	90% post-industrial recycled content	---	Raw material supplied within 500 miles of manufacturing facility

**07 00 00 THERMAL & MOISTURE PROTECTION: INSULATION (cont.)**

Product Name	Distribution			Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info	
	Company Name	IS	SO								OI
<b>Knauf EcoBatt</b> Insulation	<b>Admor HVAC Products</b>	X			Shasta Lake, CA	GREENGUARD	0.22 mg/m	---	- Energy efficient - Rapidly renewable - Reused - biobased binder - Min 45% post-consumer recycled content	1 / --  - R-Values from R-8 to R-38 - Qualifies for Federal tax credit	
<b>Nansulate®</b> Insulation Coatings	<b>Industrial Nanotech, Inc.</b> <b>Solaris Art</b>	X			Denver, CO	NSF	Low VOC: 100 g/L	---	- Energy efficient - Water-based - Biodegradable	- Reduces heat-island effect - Mold resistant, prevents corrosion, lengthens lifespan of certain materials - USGBC member	
<b>Owens Corning Insulation</b> Batt Insulation	<b>ABC Supply</b>	X			Santa Clara, CA	GREENGUARD ENERGY STAR	---	---	- Energy efficient - Reused - Recyclable	---	
<b>Solarguard</b> Reflective Insulation	<b>Island Cooling LLC</b>	X			SC	ENERGY STAR	---	---	- Energy efficient - 11.6 R Value	97% reflectivity, helps cool inner space	
<b>ROOFING AND WATERPROOFING</b>											
<b>APOC</b> Cool roofing	<b>Manufacturers Agency Pacific Inc.</b>	X			CA	ENERGY STAR	---	---	Energy efficient	Coatings: 5,7,10,12 / --  - Cool Roof Rating Council member - Decreases heat island effect - Reduces roof temperature, cools space within	
<b>Ceramiccoat</b> Exterior roof and wall heat reflective coatings	<b>Duratek Inc</b>	X			---	ENERGY STAR	Zero VOC	---	- Energy efficient - Water-based	Reflective surface deflects sun's heat, reducing temperature in space below	
<b>CertainTeed Flintlastic CoolStar</b> coated Steep and Low Slope Rolls	<b>HPM, West Coast Roofing</b>		X		USA/Canada	ENERGY STAR CRRC	---	---	---	---	
<b>CertainTeed Landmark Solaris</b> Shingles	<b>ABC Supply, HPM, West Coast Roofing, Solaris Art</b>		X		USA/Canada	ENERGY STAR CRRC	---	---	---	Limited / --  ---	
<b>CertainTeed Platon</b> WaterProofing Membrane	<b>HPM, West Coast Roofing</b>		X		USA/Canada	---	---	Contains no toxic chemicals	- 95% recycled content - Does not emit harmful chemicals	---	- USGBC member - Has an environmental management system
<b>CertainTeed Symphony Slate</b> Series Shingles	<b>HPM, West Coast Roofing</b>		X		USA/Canada	ENERGY STAR	---	---	---	50 / --  ---	
<b>Cool Roof Hawaii</b> Roofing and Waterproofing	<b>Cool Roof Hawaii</b>	X			Aiea, HI	ENERGY STAR CRRC	---	---	- Energy efficient - Rapidly renewable - Water-based	- Never tear off your roof, recoat the roof leaving the existing material - Heat reflective of up to 90% solar reflectance, energy efficient and water based	

## 07 00 00 THERMAL & MOISTURE PROTECTION: ROOFING AND WATERPROOFING

Product Name	Distribution			Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info	
	Company Name	IS	SO								OI
<b>Country Manor Shake Roofing</b>	Aluminum Shake Roofing		X		OH	---	---	---	- 95% Post-consumer recycled content - Energy Efficient	40 / -- - Reflective surface deflects sun's heat, reducing temperature in space below - ENERGY STAR partner	
<b>EcoProcote EnerG H.R. Architectural</b> Thermal insulating exterior wall coating system	Green Builders Depot	X			AZ	---	< 25 g/L	---	Energy Efficient	---	- Solar reflective - Thermal insulating: can reduce surface temperatures up 40° F and interior building temperatures up to 15° F
<b>Hawaiian Sunguard 535</b> Silicone roof coating	LeakMaster Roofing Inc.	X			LaGrange, OH	---	10.2 g/L	Solvent-free	Energy efficient	1 / 10	Reduces roof temperature,cools space within
<b>HPM Custom Metal Roofing</b>	HPM	X			Keaau, HI	ENERGY STAR	---	---	- Uses DuraCoat Cool Roof Coatings: highly UV reflective and energy efficient - Coiled steel made with recycled content - Highly durable and easy to maintain	---	- Locally manufactured in Keaau, HI - Safe for water catchment purposes - Does not mold or mildew
<b>Hydro-Stop PremiumCoat</b> Acrylic Cool Roof System	Hydro-Stop, West Coast Roofing, ABC Supply, RSI Roofing & Building Supply	X			Charleston, SC	ENERGY STAR CRRC	---	Water-based	- Energy efficient - Water-based - Sustainable	10-20 / unlimited with recoating	- Reduces heat-island effect - Reflective "cool roofing" properties -Recoat to extend life -No removal or disposal required
<b>Hydro Stop PremiumCoat Finish Coat</b> Cool roof coating, fluid applied	Painter's Warehouse, Inc, West Coast Roofing	X			Honolulu, HI	ENERGY STAR	11 g/L	---	- Energy efficient - Water-based	5, 10, 15, 20 available / --	- Recoat to extend life...no removal or disposal required - Reduces heat of roof & building
<b>Hydro Stop PremiumCoat Foundation Coat</b> Cool roof coating, fluid applied	Painter's Warehouse, Inc, West Coast Roofing	X			Honolulu, HI	ENERGY STAR	49 g/L	---	- Energy efficient - Water-based	5, 10, 15, 20 available / --	- Recoat to extend life...no removal or disposal required - Reduces heat of roof & building
<b>IB Roof Systems</b> Single Ply Roofing	ABC Supply	X			Eugene, OR	GREENGUARD ENERGY STAR	---	PVC	- Energy efficient - Water conserving - Recyclable	5 / 30	---
<b>LP Techshield</b> Radiant Barrier	Vandermeer Forest Products  HPM	X			Kent, WA	ENERGY STAR	Zero VOC	No added urea-formalde-hyde	- Energy efficient - Rapidly renewable - R-19 Equivalent - Biodegradable - Recyclable - Only low-emitting, safe resins are used as a binder	25 / --	- Made of engineered wood substrate, a renewable resource: reduces environmental impact - Reduces energy consumption by blocking radiant heat from entering the attic

## 07 00 00 THERMAL &amp; MOISTURE PROTECTION: ROOFING AND WATERPROOFING

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Metacrylics</b> Cool Roof Coating	<b>Metacrylics</b>		X		San Jose, CA	ENERGY STAR	---	No zinc oxide	- Energy efficient - Water-based	10 15 20 30 available / --	- Reflects 87% of sun's energy on average - Uses recycled containers - Cool Roof Rating Council Member - USGBC member - Reduces heat island effect
<b>Metro Roof system</b> Roofing	<b>Manufacturers Agency Pacific Inc.</b>		X		CA	ENERGY STAR	---	---	- Energy efficient - Durable	50 / --	Reflective surface deflects sun's heat, reducing temperature in space below
<b>Paraseal</b> Waterproofing	<b>Tremco Inc</b>	X			---	---	Zero VOC	---	- Reused - Durable	5 /100+	---
<b>RainTube</b> Gutter System	<b>Green Builder's Depot</b>	X			Jacksonville, OR	Cradle to Cradle Gold	---	---	- Rapidly renewable - Reused - 100% recycled <a href="#">High Density Polyethelene</a> - Recyclable	Lifetime / 100	Environmentally responsible corporate practices
<b>Roofing, Waterproofing BIPV and Photovoltaics</b>	<b>Commercial Roofing and Waterproofing</b>		X		Select ENERGY STAR rated products	---	---	---	- Energy efficient - Rapidly renewable	Varies depending on manufacturer and make	Turnkey solutions in roofing and photovoltaic installations for longevity and long term sustainability
<b>Strataseal HR</b> Hot rubberized asphalt for roofing and waterproofing	<b>Architectural &amp; Engineering Systems, Inc.</b> <b>CETCO</b>	X			Lovelly, WY	---	Zero VOC	---	- Reused - 20% post consumer recycled content by weight - Recyclable	20 / 100+	---
<b>Strongseal DB</b> High temp underlayment for metal and tile roofs	<b>Architectural &amp; Engineering Systems, Inc.</b> <b>CETCO</b> <b>Manufacturers Agency Pacific Inc.</b>	X			New Unity, OH	---	Zero VOC	---	- Reused - 80% recycled content by weight - Recyclable	20 / 100+	---
<b>Strongseal SA</b> High temp underlayment for metal and tile roofs	<b>Architectural &amp; Engineering Systems, Inc.</b> <b>CETCO</b> <b>Manufacturers Agency Pacific Inc.</b>	X			New Unity, OH	---	Zero VOC	---	- Reused - 72% recycled content by weight - Recyclable	20 / 100+	---
<b>Tropical Cool Maxx</b> Elastomeric roof coating	<b>RSI Roofing &amp; Building Supply</b>				---	---	---	---	- Energy efficient: reduces energy consumption by reflecting heat - Extends roof life - Water-based - Durable: UV resistant	---	---



## 07 00 00 THERMAL &amp; MOISTURE PROTECTION: ROOFING AND WATERPROOFING

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Ultraseal</b> Below grade waterproofing membrane	<b>Architectural &amp; Engineering Systems, Inc.</b>  <b>CETCO</b>	X			Cartersville, GA	---	Zero VOC	---	- Reused - Reusable	10 / 100+	Below grade blended polymer alloy water-proofing membrane
<b>Voltex DS Bentonite</b> geotextile waterproofing	<b>Architectural &amp; Engineering Systems, Inc.</b>  <b>CETCO</b>	X			Lovelly, WY	---	Zero VOC	---	- Reused - Reusable - Recyclable	5 / 100+	---
<b>Western Colloid</b> Roof Acrylic Coating	<b>ABC Supply</b>	X			Oakland, CA	GREENGUARD ENERGY STAR	---	---	- Energy efficient - Water-based	10-20 / 10-20	---
<b>Zalmag</b> Roofing and wall tiles	<b>Millenium Tiles, LLC</b>	X			Elkhorn, WI	---	Zero VOC	---	- Energy efficient - 95% Recycled content - Water conserving	40 / 100	Potable water collection
<b>SIDING</b>											
<b>CertainTeed</b> Polymer Siding, Vinyl Siding, and Trim	<b>HPM</b>		X		USA/Canada	---	---	Does not emit harmful chemicals	Contains min 60% post-consumer and post-industrial recycled material	---	- USGBC member - Low maintenance, requires no painting or caulking - Has an environmental management system
<b>CertainTeed</b> Fiber Cement Siding	<b>HPM</b>		X		USA/Canada	---	---	Does not emit harmful chemicals	Contains 50% recycled content in the form of fly ash	---	- USGBC member - Has an environmental management system
<b>Hardie</b> Shingle Siding	<b>HPM</b>	X			USA	---	---	---	- Raw materials are low in toxicity: recycled up to 4 times - Durable - Manufacturing process eliminates VOCs during exterior painting	15 / --	- Zero to Landfill project aimed at reducing amount of raw materials waste sent to the landfills by half - Raw materials are extracted and processed near manufacturing facility: reduces transportation
<b>Hardie</b> Soffit Panels	<b>HPM</b>	X			USA	---	---	---	- Raw materials are low in toxicity and recycled up to 4 times - Durable - Manufacturing process eliminates VOCs during exterior painting	15 / --	- Zero to Landfill project aimed at reducing amount of raw materials waste sent to the landfills by half - Raw materials are extracted and processed near manufacturing facility: reduces transportation
<b>HardiePanel</b> Vertical Siding	<b>HPM</b>	X			USA	---	---	---	- Raw materials are low in toxicity: recycled up to 4 times - Durable - Manufacturing process eliminates VOCs during exterior painting	15 / --	- Zero to Landfill project aimed at reducing amount of raw materials waste sent to the landfills by half - Raw materials are extracted and processed near manufacturing facility: reduces transportation
<b>LP Smartside &amp; Trim</b> Exterior Siding and Trim	<b>Vandermeer Forest Products</b>	X			Kent, WA	---	Zero VOC	---	- Rapidly renewable - Recyclable	---	---

**07 00 00 THERMAL & MOISTURE PROTECTION: JOINT PROTECTION**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>3M Fastbond Contact Adhesive 30-NF</b>	<b>Grainger, Premium Inc.</b>	X			USA	GREENGUARD	37 g/L	---	VOC levels meet SCAQMD Requirements	---	---
<b>3M Marine Adhesive Sealant</b>	<b>Grainger, Premium Inc.</b>	X			USA	RoHS	40 g/L	---	VOC levels meet SCAQMD Requirements	---	---
<b>3M Foam Tape</b>	<b>Grainger, Premium Inc.</b>	X			USA	RoHS	---	---	Does not contain: phthalates, formaldehyde, toxic metals, aromatic and halogenated compounds, butoxyethanol, 2-methoxyethanol, isophorone, methyl rthyl ketone, methyl isobutyl ketone, acrolein, acrylonitrile	---	---
<b>3M Polyurethane High Performance Sealant</b>	<b>Grainger, Premium Inc.</b>	X			France	RoHS	112 g/L	---	VOC levels meet SCAQMD Requirements	---	---
<b>3M Hybrid Adhesive Sealant</b>	<b>Grainger, Premium Inc.</b>	X			France	RoHS	29.1 g/L	---	VOC levels meet SCAQMD Requirements	---	---
<b>AFM safecoat Multi-purpose caulking compound</b>	<b>Green Builders Depot</b>	X			CA	---	---	No formaldehyde or toxic preservatives	---	Limited / --	Safe to use for the chemically sensitive
<b>Green Link Silicone Caulk</b>	<b>Green Builders Depot</b>	X			MI	CARB & OTC	<33 g/L	CAL Prop 65	---	Lifetime / --	- Durable - Non-carcinogenic - BioSafe product - USGBC Member
<b>Green Link Painter's Caulk</b>	<b>Green Builders Depot</b>	X			MI	CARB & OTC	<19 g/L	CAL Prop 65	---	Lifetime / --	- Durable - Non-carcinogenic - BioSafe product - USGBC Member
<b>Green Link All Purpose Caulk</b>	<b>Green Builders Depot</b>	X			MI	CARB & OTC	<18 g/L	Non-carcinogenic Solvent-free Odorless CAL Prop 65	---	Lifetime / --	- Durable - USGBC Member - BioSafe product
<b>VEGETATED ROOF</b>											
<b>SkyScape Vegetative Roof System</b>	<b>Advanced Roofing Technology, Inc.</b>		X		Indianapolis, IN and Honolulu, HI	---	---	---	- Energy efficient - Reused - Biodegradable - Reusable - Recyclable	20 / indefinite	- Lowers heat island effect - Provides Improved storm-water management on-site - Has insulating qualities, lowering cooling demand within building - Qualifies for LEED credit
<b>Live Roof Vegetated roofing system</b>	<b>Hawaiian Sunshine Nursery</b>		X		USA	---	---	---	- Energy efficient: increases R-value of roofing system - Biobased	---	- Improves on-site water quality - Decreases cooling costs for interior spaces - Does not contribute to heat-island effect - Qualifies for LEED credits

## 08 00 00 OPENINGS

## LOOK FOR PRODUCTS WITH:

- Glass that minimizes heat gain and energy loss by having:
  - High Solar Reflectivity and Ultraviolet Protection (example: low-E glazing)
  - Low U-Value and High Insulative Value (example: double paned, gas filled)
  - ENERGY STAR or NFRC Certification

For a full list of ENERGY STAR certified products:

[http://www.energystar.gov/index.cfm?c=products.pr\\_find\\_es\\_products](http://www.energystar.gov/index.cfm?c=products.pr_find_es_products)

- Low Solar Heat Gain Coefficient (SHGC)
- Frame and door materials that have:
  - Recycled content
  - Wood from FSC or SFI certified forests
  - Meet National Green Building Standards
  - SCS Certification for optimal indoor air quality
- Sealants and adhesives that are Zero or Low VOC
- No added urea-formaldehyde

## THIRD-PARTY CERTIFICATION PROGRAMS:



Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>DOORS AND FRAMES</b>											
Masonite Safe 'N Sound Doors	HPM	X			---	---	---	Made with low emission sealants & adhesives	- Made with Pre-consumer recycled content - Rapidly renewable materials	---	- ENERGY STAR partner - Manufactured with DorCor, a rapidly renewable resource derived from wheat straw/fiber
Masonite Safe 'N Sound Emerald Doors	HPM		X		---	FSC	---	- Made with low emission sealants & adhesives - No added urea-formaldehyde	Made with Pre-consumer recycled content	---	- ENERGY STAR partner - Manufactured with DorCor, a rapidly renewable resource derived from wheat straw/fiber
Masonite Hollow Core Emerald Doors	HPM		X		---	---	---	- Made with low emission sealants & adhesives - No added urea-formaldehyde	Made with Pre-consumer recycled content	---	- ENERGY STAR partner - Manufactured with DorCor, a rapidly renewable resource derived from wheat straw/fiber
Raynor Garage doors	SERVCO-Raynor Overhead Doors	X	X		Dixon, IL	GreenSpec	---	---	- Energy-saving insulation - Uses recycled steel and glass	---	Raynor Green certification

## 08 00 00 OPENINGS: WINDOWS, SKYLIGHTS AND CURTAIN WALLS

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>AeroSail</b> Shade and tension membrane structure	<b>Skylights of Hawaii, LLC</b>		X		Australia	---	---	PVC	- Reduces heat gain: temperature decreases by 20 degrees or more in shaded areas - Provide up to 95% shade and block up to 94% UV radiation	---	---
<b>Andersen Windows Low E Sun Tempered Windows</b>	<b>Honsador Lumber LLC</b> <b>HPM</b>		X		Bayport, MN	ENERGY STAR NFRC	---	---	Reflects UV Rays, reducing heat gain	---	- Depending on series & style chosen, the window may also have FSC or SCS Certification, contain recycled content, or meet National Green Building Standards - Member of the Alliance to Save Energy - USGBC member
<b>Andersen Windows Low-E Sun Windows</b>	<b>Honsador Lumber LLC</b> <b>HPM</b>		X		Bayport, MN	ENERGY STAR NFRC	---	---	Reflects UV Rays, reducing heat gain	---	- Depending on series and style chosen, the window may also have FSC or SCS Certification, contain recycled content, or meet National Green Building Standards - Member of the Alliance to Save Energy - USGBC member
<b>Andersen Windows Low-E4 SmartSun Windows</b>	<b>Honsador Lumber LLC</b> <b>HPM</b>		X		Bayport, MN	ENERGY STAR NFRC	---	---	Reflects UV Rays, reducing heat gain	---	- Depending on series and style chosen, the window may also have FSC or SCS Certification, contain recycled content, or meet National Green Building Standards - Member of the Alliance to Save Energy - USGBC member
<b>Andersen Windows Low-E4 Sun Tempered Windows</b>	<b>Honsador Lumber LLC</b> <b>HPM</b>		X		Bayport, MN	ENERGY STAR NFRC	---	---	Reflects UV Rays, reducing heat gain	---	- Depending on series and style chosen, the window may also have FSC or SCS Certification, contain recycled content, or meet National Green Building Standards - Member of the Alliance to Save Energy - USGBC member
<b>Andersen Windows Low-E4 Sun Windows</b>	<b>Honsador Lumber LLC</b> <b>HPM</b>		X		Bayport, MN	ENERGY STAR NFRC	---	---	Reflects UV Rays, reducing heat gain	---	- Depending on series and style chosen, the window may also have FSC or SCS Certification, contain recycled content, or meet National Green Building Standards - Member of the Alliance to Save Energy - USGBC member

## 08 00 00 OPENINGS: WINDOWS, SKYLIGHTS AND CURTAIN WALLS (cont.)

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Andersen Windows Low-E SmartSun Windows</b>	<b>Honsador Lumber LLC</b> <b>HPM</b>		X		Bayport, MN	ENERGY STAR NFRC	---	---	Reflects UV Rays, reducing heat gain	---	- Depending on series and style chosen, the window may also have FSC or SCS Certification, contain recycled content, or meet National Green Building Standards - Member of the Alliance to Save Energy - USGBC member
<b>Breezway Altair Louver Windows</b>	<b>Breezway</b>	X			Australia	NFRC FSC (wood blades)	VOC-free finishes	---	- Energy efficient - Rapidly renewable - Reused - 10% Pre-consumer recycled content - Recyclable	7 / 60+	- Passive cooling - Increased Daylighting - Tight sealing for reduction of air leakage when used with mechanical systems - All cut ends are recycled
<b>Crystalite Inc.</b> Skylights, Sun Rooms, Railing Systems	<b>Solaris Art</b>	X			Everett, WA	ENERGY STAR NFRC rated for U-factor	---	PVC	Recyclable	10 / --	- LEED v2.2 / v3.0 Verification - Provides natural day lighting, reducing energy demand
<b>Crystalite- Skin System</b> Lightweight and light-transmitting polycarbonate system	<b>Skylights of Hawaii, LLC</b>		X		Everette, WA	---	---	---	16mm-excellent energy values	10-y/ 20 life	Lexan: 200 times stronger than glass
<b>CSR Edmonds ecopower</b> Hybrid ventilator: wind driven and motorised	<b>Skylights of Hawaii, LLC</b>		X		Australia	---	---	---	- Energy efficient - Low noise levels, less than 40dB(A) at 3m	---	Tax credit rebate
<b>EFCO XTherm Series: E-Strut</b> Curtain walls	<b>Skylights of Hawaii, LLC</b>		X		Monett, MO	---	---	---	- Energy efficient - Enhanced thermal performance - Improved U-factor: as low as .19 - Uses recycled aluminum	---	---
<b>Firestone SunWave Daylight System</b> Skylight	<b>Advanced Roofing Technology, Inc.</b>		X		Sacramento, CA	NFRC	---	---	- Energy efficient - Reused - 25% Post-Consumer recycled content - Recyclable	20 / 40	- Manufactured with 100% Wind Energy - Environmentally responsible corporate practices
<b>Gila Titanium Heat Control Window Film</b>	<b>Home Depot</b>	X			St. Louis, MS	---	---	---	Reflects UV Rays, reducing heat gain	---	- Reflects up to 72% of the sun's heat, lowering energy demands - Blocks up to 99% of UV rays to reduce fading and extend lifespan of interior furnishings

**08 00 00 OPENINGS: WINDOWS, SKYLIGHTS AND CURTAIN WALLS (cont.)**

Product Name	Distribution			Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info	
	Company Name	IS	SO								OI
<b>Intertec/ Doralco</b> Solar shades, grills / Exterior cladding	<b>Skylights of Hawaii, LLC</b>		X		Alsip, IL	---	---	---	Reduces heat gain: temperature decreases by 20 degrees or more in shaded areas	---	Design and engineering
<b>Kalwall Nanogel</b> Translucent wall cladding and roofing system	<b>Skylights of Hawaii, LLC</b>		X		Manchester, NH	---	---	---	- 10% range, post-consumer recycled content (aluminum) - 20% range post-industrial recycled content (aluminum) - Reusable - Energy efficient: achieves a thermal insulation value of U = 0.05 Btu/hr/ft <sup>2</sup> /°F, or 0.3 W/m <sup>2</sup> K. R-value: 20 - Increases daylight diffusion: VLT from 12% to 20%	20 / 25+	- Qualifies for LEED credits - Its thermal insulation is equivalent to a solid wall and four times greater than insulating glass units - Virtually maintenance-free - Solar Heat Gain Coefficient (SHGC): from 0.12 to 0.22 - Enhanced acoustic insulation: 35 STC
<b>Kieselbach Woodworks</b> Custom fenestrations	<b>Kieselbach Woodworks</b>		X		Hawaii	FSC (for some of the woods)	---	---	Recyclable	---	Made from locally sourced wood or imported from certified forests
<b>Milgard 3D / 3D Max</b> Window packages	<b>HPM</b>		X		USA	ENERGY STAR NFRC	---	---	Packages specifically geared towards the highest energy efficiency for the local climate	---	- ENERGY STAR partner - Protection against UV Ray damage - Reduction in noise pollution
<b>Milgard SunCoatMAX</b> Windows	<b>HPM</b>		X		USA	ENERGY STAR NFRC	---	---	Low-E glass product with high clarity	---	ENERGY STAR partner
<b>Milgard EdgeGuard MAX</b> Window Spacers	<b>HPM</b>		X		USA	ENERGY STAR NFRC	---	---	- Conducts less energy to maintain a more constant temperature - Blocks heat escape path for more year-round comfort	---	- ENERGY STAR partner - Reduces condensation



**08 00 00 OPENINGS: WINDOWS, SKYLIGHTS AND CURTAIN WALLS (cont.)**

Product Name	Distribution			Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info	
	Company Name	IS	SO								OI
<b>Milgard SunCoat</b> Windows	<b>HPM</b>	X			USA	ENERGY STAR NFRC	---	---	- Energy saving - Reduces harmful UV rays up to 84 percent	---	- Consistent temperatures for greater comfort saves energy - ENERGY STAR partner
<b>Natural Light Tubular</b> Skylights	<b>Inter-Island Solar Supply</b>	X			USA	ENERGY STAR	---	---	Energy saving	25 / --	- Skylights conserve energy by reducing need for additional lighting - Do not contribute to heat loss or gain
<b>Reflections</b> Custom Glass and Glazing	<b>Reflections</b>		X		HI	---	---	---	- Reusable - Recyclable	---	Heat reducing qualities
<b>Sankyo Tateyama</b> Carports and Patio covers & PV Carports and Patio Covers	<b>Skylights of Hawaii, LLC</b>		X		Japan	---	---	---	- Aluminum Frame with polycarbonate lens - Provides 50% shade and 100% UV protection - PV kw ratings from 1.52 to custom	25 yr rating in Japan	Made of Lexan: 200 times stronger than glass
<b>Solar Industries Inc</b> Skylights, Tubular Skylights and Mirror Doors	<b>Solaris Art</b>	X			Tucson, AZ	ENERGY STAR NFRC	Zero VOC	PVC	- Energy efficient - Recyclable	limited lifetime / 20+	Skylights conserve energy by reducing need for additional lighting
<b>Solatube</b> Skylights	<b>Hawaii Skylights and Solar Fans</b>	X			Vista, CA	NFRC	---	---	- U-value 0.43, - Solar Heat Gain Coefficient 0.24 - Recyclable	10 / 30	Daylighting avoids using electrical light, saving energy

**09 00 00 FINISHES**

**LOOK FOR PRODUCTS WITH:**

- Recycled content
- No added urea-formaldehyde for carpet, wood ceiling panels and flooring
- Locally sourced materials or from FSC or SFI certified forests
- Zero or Low-VOC paints, sealants, and adhesives
- Biobased materials (example: soy-based and water-based paints)
- Rapidly renewable materials (example: bamboo and cork flooring)
- Recyclability, Biodegradability, and/or Cradle to Cradle Certification for after-useful-life options

**THIRD-PARTY CERTIFICATION PROGRAMS:**



Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>ACOUSTICAL CEILINGS</b>											
<b>1000 Series Wood Grilles</b> Acoustical Wood Ceiling	9Wood		X		Springfield, OR	---	---	- No added formaldehyde - Uses low-emitting materials	- Rapidly renewable - Reused - 100% recycled content in particle board - Biodegradable - Reusable - Recyclable	1 / 50	- Soy-based adhesives in plywood - Recycled content materials reuse regional materials and rapidly renewable materials - Uses certified wood - USGBC member
<b>2000 Series Linear Wood</b> Acoustical Wood Ceiling	9Wood		X		Springfield, OR	---	Low VOC	- No added formaldehyde - Uses low-emitting materials	- Rapidly renewable - Reused - 100% recycled content in particle board - Biodegradable - Reusable - Recyclable	1 / 50	- Soy-based adhesives in plywood - Recycled content materials reuse regional materials and rapidly renewable materials - Uses certified wood - USGBC member
<b>3000 Series Acoustic Wood</b> Acoustic Wood Ceiling	9Wood		X		Springfield, OR	---	Low VOC	- No added formaldehyde - Uses low-emitting materials	- Rapidly renewable - Reused - 100% recycled content in particle board - Biodegradable - Reusable - Recyclable	1 / 50	- Soy-based adhesives in plywood - Recycled content materials reuse regional materials and rapidly renewable materials - Uses certified wood - USGBC member
<b>4000 Series Wood Tiles</b> Acoustic Wood Ceiling	9Wood		X		Springfield, OR	---	Low VOC	- No added formaldehyde - Uses low-emitting materials	- Rapidly renewable - Reused - 100% recycled content in particle board - Biodegradable - Reusable - Recyclable	1 / 50	- Soy-based adhesives in plywood - Recycled content materials reuse regional materials and rapidly renewable materials - Uses certified wood - USGBC member
<b>5000 Series Perforated Tiles</b> Acoustic Wood Ceiling	9Wood		X		Springfield, OR	---	Low VOC	- No added formaldehyde - Uses low-emitting materials	- Rapidly renewable - Reused - 100% recycled content in particle board - Biodegradable - Reusable - Recyclable	1 / 50	- Soy-based adhesives in plywood - Recycled content materials reuse regional materials and rapidly renewable materials - Uses certified wood - USGBC member

## 09 00 00 FINISHES: ACOUSTICAL CEILINGS (cont.)

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>6000 Series Wood Cubes</b> Acoustic Wood Ceiling	<b>9Wood</b>		X		Springfield, OR	---	Low VOC	- No added formaldehyde - Uses low-emitting materials	- Rapidly renewable - Reused - 100% recycled content in particle board - Biodegradable - Reusable - Recyclable	1 / 50	- Soy-based adhesives in plywood - Recycled content materials reuse regional materials and rapidly renewable materials - Uses certified wood - USGBC member
<b>7000 Series Wood Coffers</b> Acoustic Wood Ceiling	<b>9Wood</b>		X		Springfield, OR	---	Low VOC	- No added formaldehyde - Uses low-emitting materials	- Rapidly renewable - Reused - 100% recycled content in particle board - Biodegradable - Reusable - Recyclable	1 / 50	- Soy-based adhesives in plywood - Recycled content materials reuse regional materials and rapidly renewable materials - Uses certified wood - USGBC member
<b>8000 Series Wood Waves</b> Acoustic Wood Ceiling	<b>9Wood</b>		X		Springfield, OR	---	Low VOC	---	- Rapidly renewable - Reused - 100% Recycled content in particle board - Biodegradable - Reusable - Recyclable	1 / 50	- Regional materials - Hydroelectric, wind power - Soy-based adhesives - Reclaimed wood - USGBC member
<b>9000 Series Engineered-To-Order</b> Acoustic Wood Ceiling	<b>9Wood</b>		X		Springfield, OR	---	Low VOC	---	- Rapidly renewable - Reused - 100% Recycled content in particle board - Biodegradable - Reusable - Recyclable	---	- Soy-based adhesives - Reclaimed wood - Regional materials, recycled waste and hydroelectric energy - USGBC member
<b>Above View By Tiles, Inc.</b> Suspended ornamental plaster ceiling tiles	<b>Above View By Tiles, Inc.</b> <b>Williams Pacific, Inc.</b>		X		Milwaukee, WI	---	Zero VOC	---	- Energy efficient - Water-based - Non-toxic - Biodegradable - Reusable - Recyclable	1 / 30	- Low carbon foot print
<b>Alpro</b> Acoustical panels for ceilings and walls	<b>Williams Pacific, Inc.</b>		X		Bossier City, LA	EPA compliant	---	---	Recycled content in aluminum components	1 / --	- Finishes made from water-soluble/ biodegradable materials that yield no VOC's - Qualifies for LEED credits: IAQ 4.2 Low-Emitting Materials
<b>CertainTeed Ecophon Focus Ds</b> Ceiling Panels	<b>HPM</b>		X		---	---	---	---	- Recycled content: 75% total, 70% post-consumer, 5% pre-consumer - Certified low-emitting product	Limited / 10	- USGBC member - Provides superior sound absorption - High light reflectance: above 0.82 according to ASTM E1477
<b>EcoGrille</b> Acoustic Wood Ceiling	<b>9Wood</b>		X		Springfield, OR	---	Low VOC	---	- Rapidly renewable - Reused - Biodegradable - Reusable - Recyclable	---	- Soy-based adhesives - Plantation-grown FSC trees - Regional Materials Certified Wood - USGBC member

## 09 00 00 FINISHES: ACOUSTICAL CEILINGS (cont.)

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>NWP Wood Panels</b> Veneer Ceiling Panels	<b>Norton Industries Incorporated</b>			X	Lakewood, OH	FSC	Zero VOC	---	<ul style="list-style-type: none"> <li>- Rapidly renewable</li> <li>- 99% recycled content</li> <li>- 96.47% pre-consumer and 3.53% is recovered/ other material</li> <li>- Recyclable</li> </ul>	1 / 10	<ul style="list-style-type: none"> <li>- Veneer use versus solid wood dramatically reduces the amount of wood used</li> <li>- Water based finishes are used on topcoat</li> </ul>
<b>COUNTERTOPS</b>											
<b>ALKEMI</b> Custom countertops	<b>Hawaii Kitchen and Bath</b>		X		Cabin John, MD	SCS Certified Minimum 91% Recycled Content	---	---	91% minimum pre-consumer recycled content (for the acrylic product line)	10 / --	Qualifies for LEED credits
<b>AWI</b> Birch plywood	<b>Custom Countertops</b>		X		USA	FSC (some products) CARB & OTC	---	No added urea formalde-hyde	---	---	---
<b>DuPont Corian Terra Collection</b> Solid surface	<b>Custom Countertops</b>  <b>DuPont</b>  <b>Insolid</b>			X	USA	GREENGUARD NAHB Green Approved SCS	<50g/L: adhesives <32g/L: sealants	<ul style="list-style-type: none"> <li>- Non-toxic, free from heavy metals</li> <li>- CAL Prop 65</li> </ul>	<ul style="list-style-type: none"> <li>- 13% post-consumer recycled glass content</li> <li>- Can be renewed: color runs all the way through, making restoration easy if necessary</li> </ul>	10 / --	<ul style="list-style-type: none"> <li>- Qualifies for LEED credits</li> <li>- USGBC member</li> </ul>
<b>DuPont Zodiaq Terra Collection</b> Solid surface	<b>DuPont</b>		X		USA	GREENGUARD NAHB Green Approved SCS	<50g/L: adhesives <32g/L: sealants	<ul style="list-style-type: none"> <li>- Non-toxic, non allergenic for humans</li> <li>- CAL Prop 65</li> </ul>	<ul style="list-style-type: none"> <li>- 25% post-consumer recycled content</li> <li>- 50% pre-consumer recycled content (glass)</li> </ul>	10 / --	<ul style="list-style-type: none"> <li>- Qualifies for LEED credits</li> <li>- USGBC member</li> </ul>
<b>ECO by Cosentino</b> Durable surface	<b>Hawaii Kitchen and Bath</b>		X		Spain	Cradle to Cradle (C2C) NSF GREENGUARD	---	---	<ul style="list-style-type: none"> <li>- 75% recycled content (post-industrial or post-consumer)</li> <li>- Biobased: bounding resin partially from corn oil</li> <li>- Reused: from mirror, porcelain, glass, crystallized ash, stone scraps</li> <li>- Durable: high performance against staining, scratching and scorching</li> </ul>	10 / --	<ul style="list-style-type: none"> <li>- Qualifies for LEED credits</li> <li>- During the manufacturing process, 94% of the water used is recycled</li> </ul>
<b>IceStone</b> Paper-based countertops	<b>Hawaii Kitchen and Bath</b>		X		Brooklyn, NY	Cradle to Cradle (C2C) Gold NSF	---	---	<ul style="list-style-type: none"> <li>- Recycled content: from 100% recycled glass and cement</li> <li>- Durable: UV-stable, stain resistant, heat-resistant, scratch-resistant</li> </ul>	5 year limited / --	<ul style="list-style-type: none"> <li>- Qualifies for LEED credits</li> <li>- USGBC member</li> <li>- 1st and only durable surface in the world to receive Cradle to Cradle Gold certification</li> </ul>
<b>PaperStone</b> Countertop from recycled paper	<b>Hawaii Kitchen and Bath</b>  <b>Paneltech Products Inc</b>		X		Hoquiam, WA	FSC Recycled	Zero VOC	---	<ul style="list-style-type: none"> <li>- 100% recycled paper content</li> <li>- Reusable</li> </ul>	15 / --	Packaging is recyclable

## 09 00 00 FINISHES: COUNTERTOPS (cont.)

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Richlite</b> Paper-based countertops	<b>Hawaii Kitchen and Bath</b>		X		Tacoma, WA	GREENGUARD FSC (some product lines) Rainforest Alliance	---	---	- Made with FSC-Certified or post-consumer recycled paper - Recycled content - Rapidly renewable: the non-recycled product line utilizes fibers from eucalyptus tree - Durable: non-porous, heat-resistant - Recyclable	Lifetime: Residential, 20: Commercial / --	- Qualifies for LEED credits - Produced using an efficient Waste-to-Energy (WE) manufacturing system - USGBC member
<b>Wilson-Art</b> Laminated plastic	<b>Custom Countertops</b>	X			Temple, TX	FSC Mixed GREENGUARD NSF SCS	Low-VOC	No added urea formalde-hyde	Minimum 20% post-consumer recycled content	1 / --	Qualifies for LEED EQ 4.1 - Low Emitting Materials

## GYPSUM BOARD

<b>CertainTeed GlassRoc</b> Gypsum Board	<b>HPM</b>		X		---	ISO 14001 (manufactury plant)	---	---	- Contains 100% recycled face paper - 96% synthetic or "by-product" gypsum from coal-fired power plants is used where available	Limited / 5	USGBC member
<b>CertainTeed ProRoc - M2 Tech</b> Gypsum Board	<b>HPM</b>		X		---	GREENGUARD ISO 14001 (manufacturing plant)	---	---	- Contains 100% recycled face paper - 96% Synthetic or "by-product" gypsum from coal-fired power plants is used where available	---	- USGBC member - Moisture and mildew resistant
<b>PABCO Gypsum Board</b>	<b>PABCO Gypsum</b>	X			Kapolei, HI	CHPS Berkely Analytical Laboratories	Zero VOC	---	- 1% post consumer and 3% post industrial recycled content: Total 4% - 5/8" 0.45 R Value - Recyclable	1 / life of bldg	---

## FLOORING: ADHESIVES AND UNDERLAYMENT

<b>EcoDecking</b> Interlocking decking	<b>Maru Flooring</b>	X			Bolivia	Certified Forests by Government of Bolivia	---	---	- Durable: lpe and Rosewood wood species - Rapidly renewable resources	---	Uses wood from sustainably-managed forests
<b>Eco-Silencer</b> Acoustical Underlayment	<b>Maru Flooring</b>	X			USA	---	---	---	- Rapidly renewable resources - Durable - Recycled content: tires - Biobased content: soy bean oil - Recyclable	Lifetime / 30+	Qualifies for LEED credits
<b>ECOsurfaces ECOsilence</b> Underlayment	<b>RW Supply</b>		X		---	Floor Score CHPS	---	---	- 93% Post-consumer recycled content - Recyclable - Durable: good UV-stability and abrasion resistance	---	- Qualifies for LEED credits - Washington State standard for IAQ compliant - Supports ASTM e2129-01 Sustainability Assessment

## 09 00 00 FINISHES: FLOORING: ADHESIVES AND UNDERLAYMENT (cont.)

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>ECOsurfaces E-Grip III Underlayment</b>	RW Supply		X		---	CHPS	Zero VOC	---	---	---	Qualifies for LEED credits
<b>EcoTimber HealthyBond MS Adhesive</b>	Green Builders Depot	X			Richmond CA	---	Zero VOC	---	- Made with no toxic chemicals or carcinogens - No solvents, isocyanates, or phthalates	---	Qualifies for LEED EQ 4.1 - Low Emitting Materials
<b>Insulayment Underlayment for glued or nailed wood flooring</b>	MP Global Products, LLC	X			Norfolk, NE	SCS Recycled SCS Indoor Advantage-Gold	Zero VOC	---	- Certified 100% post-industrial recycled material - Recyclable	15 / 50	Shipping cartons are made with 100% recycled material
<b>QuietWalk Floating Floor Underlayment</b>	Green Builders Depot MP Global Products, LLC	X			Norfolk, NE	SCS Indoor Advantage Gold SCS Min 95% Recycled Content (pre-consumer) NALFA	Zero VOC	---	- Certified 94% post-industrial recycled content - Moisture management systems - Adds insulating value - Recyclable	Limited lifetime / 100	- NWFA (National Wood Flooring Association) member - Uses 100% recycled cardboard boxes for shipping
<b>Tac Tiles Flooring adhesive</b>	InterfaceFLOR		X		LaGrange, GA	CRI Green Label Plus NSF	Zero VOC	---	- Eliminates the need for adhesives - Environmental footprint 90% smaller than glue - Recyclable	15 / 15+	- <a href="#">Biomimicry</a> inspired design - Recyclable through InterfaceFLOR's ReEntry2.0 recycling program
<b>FLOORING: BAMBOO AND CORK</b>											
<b>Ambient Bamboo Flooring</b>	Green Builders Depot		X		---	FSC	Low VOC	Formaldehyde: .01-.03 ppm	Rapidly renewable (bamboo)	15 commercial 30 residential / --	- USGBC member - National Wood Flooring Association member
<b>Bayside Bamboo Flooring</b>	Pacific Imports International	X			China	---	---	Formaldehyde but meets E1 standards for offgassing	- Rapidly renewable - Recycled content - Biodegradable - Recyclable	25 / 80-100	- Certain varieties (composite aka strand bamboo) consist of recycled bamboo waste
<b>CaliBamboo Fossilized Flooring series Flooring</b>	Green Builders Depot	X			CA	FSC	Low VOC	---	- Rapidly renewable - Reusable - Recyclable - Water-based coating - Durable	25 / --	- Organically grown bamboo re-harvested every 5 years - USGBC member - NWFA member
<b>CaliBamboo Organic Flooring Series Flooring</b>	Green Builders Depot	X			CA	FSC	Low VOC	No halogenated hydro-carbon urea formaldehyde, herbicides, pesticides	- Durable - Water-based coating - Rapidly renewable - Recyclable	25 / --	- Organically grown bamboo re-harvested every 5 years - USGBC member - NWFA member
<b>CaliBamboo Studio Flooring Series Flooring</b>	Green Builders Depot	X			CA	FSC	Low VOC	No halogenated hydro-carbon urea formaldehyde, herbicides, pesticides	- Durable - Water-based coating - Rapidly renewable - Recyclable	25 / --	- Organically grown bamboo re-harvested every 5 years - USGBC member - NWFA member

## 09 00 00 FINISHES: FLOORING: BAMBOO AND CORK (cont.)

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Durapalm</b> Flooring	<b>Maui Laminate</b> <b>Smith &amp; Fong Plyboo</b>		X		Fremont, CA	NAF	---	Formaldehyde free	Rapidly renewable	25, 15 residential 10 commercial / --	Made from palm, a rapidly renewable resource
<b>Kirei Bamboo</b> Flooring	<b>Green Builders Depot</b>		X		CA	---	---	No added urea formaldehyde	Rapidly renewable	---	Bamboo is a rapidly renewable resource
<b>Kirei CoCo Tiles</b> Flooring	<b>Green Builders Depot</b>		X		CA	---	Low or Zero VOC	Made with low-VOC resins	30-40% Post-Industrial recycled material: Coconut Shells	---	Made with reclaimed coconut shells, sustainably harvested wood backer and low-VOC resins
<b>Nova Cork</b> Flooring	<b>Green Builders Depot</b>		X		Carson, CA	FSC	---	---	- Rapidly renewable - Recyclable	10 commercial 20 residential / --	- Environmentally responsible corporate practices - Swiss quality
<b>NovaCork Corkstone</b> Flooring	<b>Green Builders Depot</b>	X			CA	FSC	---	---	- Rapidly renewable - Recyclable - Durable	10 commercial 20 residential / --	- Hypoallergenic, anti- microbial - Swiss quality - Qualifies for LEED credits - <a href="#">NWFA</a> member
<b>NovaCork</b> Glue down tiles	<b>Green Builders Depot</b>	X			CA	FSC	---	---	- Rapidly renewable - Recyclable - Durable	10 commercial 20 residential / --	- Hypoallergenic, anti- microbial - Swiss quality - Qualifies for LEED credits - <a href="#">NWFA</a> member
<b>NovaCork</b> Plank flooring	<b>Green Builders Depot</b>	X			CA	FSC	---	---	- Rapidly renewable - Recyclable - Durable	10 commercial 20 residential / --	- Hypoallergenic, anti- microbial - Swiss quality - Qualifies for LEED credits - <a href="#">NWFA</a> member
<b>Plyboo Pure</b> Flooring	<b>Maui Laminates Inc.</b> <b>Smith &amp; Fong Plyboo</b>		X		Fremont, CA	FloorScore FSC SCS	---	---	Rapidly renewable	25, 15 residential, 10 commercial / --	---
<b>Plyboo Squared</b> Flooring	<b>Maui Laminates Inc.</b> <b>Smith &amp; Fong Plyboo</b>		X		Fremont, CA	FloorScore FSC SCS	---	---	Rapidly renewable	25, 15 residential, 10 commercial / --	---
<b>Plyboo Strand</b> Flooring	<b>Maui Laminates Inc.</b> <b>Smith &amp; Fong Plyboo</b>		X		Fremont, CA	FloorScore FSC	---	---	Rapidly renewable	25, 15 residential, 10 commercial / --	---
<b>US Floors</b> Bamboo and cork flooring	<b>American Carpet One</b> <b>Kauai Floors, Inc.</b>		X		Dalton, GA	GREENGUARD Children & Schools CARB	---	---	- Rapidly renewable - Recyclable - Biodegradable	5 / --	USGBC member



## 09 00 00 FINISHES: FLOORING: CARPETING

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>ER3 Modular</b> Modular Flooring	<b>Tandus Flooring</b>			X	Dalton, GA	CRI Green Label Plus NSF 140 Platinum SCS	---	- Chlorines - Phthalates - PVC	- 100% recycled content - Recyclable	15 / 15+	Secondary backing contains 100% recycled content
<b>Godfrey Hirst</b> Carpet	<b>American Carpet One</b>		X		New Zealand	CRI Green Label Plus	Very Low VOC: < 0.50 mg/m2 hour	---	- Rapidly renewable resource - Biodegradable - Recyclable	---	- Made from wool, a rapidly renewable resource - Practices corporate responsibility with Environmental Management System
<b>Infinity Modular</b> Carpet Tile	<b>Mannington Commercial</b>  <b>T&amp;A Supply Company</b>	X			Calhoun, GA	CRI Green Label	Zero VOC	PVC	- Energy efficient - Water conserving - 15% - 21% post-industrial recycled content - Reusable - Recyclable	Lifetime / 30+	Offers recycling program called LOOP that takes back carpet at the end of its useful life to re-use or recycle and not be landfilled
<b>Infinity RE</b> Modular Carpet Tile	<b>Mannington Commercial</b>  <b>T&amp;A Supply Company</b>	X			Calhoun, GA	CRI Green Label SCS	Zero VOC	PVC	- Energy efficient - Water conserving - 14% - 19% post-Industrial content - 10%-16% post-consumer content - Reusable - Recyclable	Lifetime / 30+	Offers recycling program called LOOP that takes back carpet at the end of its useful life to re-use or recycle and not be landfilled
<b>Integra HP RE</b> <b>Broadloom</b> Carpet	<b>Mannington Commercial</b>  <b>T&amp;A Supply Company</b>	X			Calhoun, GA	CRI Green Label	Zero VOC	---	- Energy efficient - Water conserving - 10%-12% post-consumer, 2% post-industrial content - Reusable - Recyclable	Lifetime / 30+	Offers recycling program called LOOP that takes back carpet at the end of its useful life to re-use or recycle and not be landfilled
<b>InterfaceFLOR</b> Carpet Tiles with GlasBac or GlasBacRE backing	<b>InterfaceFLOR</b>		X		LaGrange, GA	CRI Green Label Plus NSF 140 Gold for GlasBac ISO 14001	Very Low VOC: < 0.50 mg/m2 hour	Phthalates PVC (from recycled sources)	- Recycled content With GlasBacRE backing: Total RC: 56-80%, Post-consumer RC: 22-29%, Pre-consumer: 34-52% With GlasBac backing: Total RC: 40-62%, Post-consumer RC: 0-5%, Pre-consumer RC: 40-57% - Reusable - Recyclable - Dematerialized	15 / 15+	- <b>Biomimicry</b> inspired design - Renewable energy powers 40% of manufacturing - InterfaceFLOR's ReEntry2.0 carpet reclamation program recycles old carpet into new carpet - Mission Zero Program: eliminate any negative impact on the environment by 2020
<b>Interface Stroll</b> Carpet Tile	<b>Tri-West Ltd.</b>		X		Santa Fe, CA	CRI Green Label	Low VOC	---	- Recyclable through ReEntry 2.0 process - 40% Pre-consumer/Post-industrial recycled content in backing	15 / --	Environmentally preferable corporate practices: reduced greenhouse gases, waste, and VOC's

## 09 00 00 FINISHES: FLOORING: CARPETING (cont.)

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Karastan Bigelow EcoFlex Cushion Back Carpet Tile</b>	The Mohawk Group - Bigelow Commercial Carpet	X			East Dublin, GA	CRI Green Label NSF 140 Platinum	Very Low VOC: < 0.50 mg/m <sup>2</sup> hour	SBR	- Minimum 10% post-consumer recycled content - Recyclable	Lifetime wear / --	Cushion provides additional comfort underfoot and absorbs sound
<b>Karastan/ Bigelow Hardback Carpet Tile</b>	The Mohawk Group - Bigelow Commercial Carpet	X			Glasgow, VA	CRI Green Label NSF 140 Gold	Very Low VOC: < 0.50 mg/m <sup>2</sup> hour	PVC	- Minimum 35% pre-consumer recycled content - Recyclable	Lifetime wear / --	Carpet tile makes patch and repair easy, less waste compared to carpet roll
<b>Karastan/ Bigelow Unibond Flex Broadloom carpet</b>	The Mohawk Group - Bigelow Commercial Carpet	X			Lyerly, GA	CRI Green Label NSF 140 Platinum	Very Low VOC: < 0.50 mg/m <sup>2</sup> hour	---	- Minimum 15% pre-consumer recycled content - Recyclable	Lifetime wear / --	Weighs 2/3 less than traditional broadloom
<b>Karastan/ Bigelow Thermoplastic Carpet Tile</b>	The Mohawk Group - Bigelow Commercial Carpet	X			Glasgow, VA	CRI Green Label NSF 140 Gold	Very Low VOC: < 0.50 mg/m <sup>2</sup> hour	---	- Minimum 35% pre-consumer recycled content - Recyclable	Lifetime wear / --	Weighs less than traditional hard back carpet tile, makes patch and repair easy with less waste
<b>Karastan/ Bigelow Wilton Woven carpet</b>	The Mohawk Group - Bigelow Commercial Carpet	X			Landrom, SC	CRI Green Label NSF 140 Gold	Very Low VOC: < 0.50 mg/m <sup>2</sup> hour	SBR	Recyclable	Lifetime wear / --	Performance carpet uses 2/3 raw materials compared with action-bac broadloom
<b>Lees Carpets Carpet, Hard Surface, Adhesives</b>	Lees Carpets		X		Glasgow, VA	CRI Green Label Plus NSF SCS FloorScore ISO 14001	Zero VOC	PVC	- Biobased: pine resin (modular tile backing) - Recycled content: modular tiles, 35% pre-consumer (by total weight): broadloom, 33% post-consumer (by total weight) - Reusable - Recyclable	---	- Responsible corporate practices: ReCover Program Green Mfg: Waste Mgmt., Emissions, Facilities, Sampling, Recycling & Re-Engineering initiatives - USGBC member - Qualifies for LEED credit
<b>Marmoleum Flooring tiles</b>	Medallion Carpet		X		The Netherlands	Nordic Swan Ecolabel	---	Formaldehyde free	- 78% pre-consumer recycled content - 8.3% rapidly renewable materials by weight - 98% biobased content - Biodegradable	25 Residential / ---	- USGBC member - Qualifies for LEED credits - Compostable at end of life
<b>Mohawk SmartStrand carpet</b>	Kauai Floors, Inc.	X			Multiple locations	GreenWorks	---	---	- Biobased - Recyclable - 37% renewable resources	15- lifetime / --	Carpet made with Bio-PDO: corn syrup
<b>Nature's Carpet Dark Green Carpet</b>	Green Builders Depot		X		Vancouver, BC Canada	CRI Green Label Plus	---	Ultra Low Toxicity	- 100% New Zealand wool: a rapidly renewable resource - All natural - Biodegradable - Reusable - Recyclable	7 / 30+	- Filters allergens and dust, improves IAQ - Qualifies for LEED credits

## 09 00 00 FINISHES: FLOORING: CARPETING (cont.)

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Nature's Carpet</b> Light Green & Medium Green Carpet	<b>Green Builders Depot</b>		X		Vancouver, BC Canada	CRI Green Label Plus	---	Low Toxicity	- 100% New Zealand Wool: a rapidly renewable resource - Reusable - Recyclable	7 / 30+	- Filters allergens and dust, improves IAQ - Qualifies for LEED credits
<b>rEvo</b> Modular Carpet Tile	<b>Mannington Commercial</b> <b>T&amp;A Supply Company</b>	X			Calhoun, GA	CRI Green Label SCS	Zero VOC	---	- Energy efficient - Water conserving - 27% - 29% post-industrial: content - 10% - 11% post-consumer content - Reusable - Recyclable	Lifetime / 30+	Offers recycling program called LOOP that takes back carpet at the end of its useful life to re-use or recycle and not be landfilled
<b>Shaw</b> Broadloom and carpet tiles	<b>American Carpet One</b> <b>PHF Hawaii, INC dba Pacific Home Furnishings</b> <b>Shaw Industries</b>	X			USA	CRI Green Label Plus Cradle to Cradle Silver	Zero VOC	---	- Reusable - Recyclable - Minimum 25% recycled content	Lifetime / --	- Qualifies for LEED credits: MR Credit 4: Recycled Content; IEQ 3.1/3.2 Construction IAQ Mgmt Plan; IEQ 4.1/4.3 Low-Emitting Materials; ID 1.1 Innovation & Design; EB MR 3 Sustainable Purchasing; EB MR 9 Solid Waste Mgmt - Shaw takes back carpet at end of its life and recycles it into new product
<b>Ultrabac RE</b> Broadloom Carpet	<b>Mannington Commercial</b> <b>T&amp;A Supply Company</b>	X			Calhoun, GA	CRI Green Label	Zero VOC	SBR	- Energy efficient - Water conserving - 10%-13% post-consumer content - Reusable - Recyclable	15 / 15+	Offers recycling program called LOOP that takes back carpet at the end of its useful life to re-use or recycle and not be landfilled
<b>FLOORING: RESILIENT</b>											
<b>Armstrong Linoleum with Naturcote</b> Linoleum flooring	<b>Armstrong Commercial Flooring</b> <b>Tri-West Ltd.</b> <b>Wayne's Flooring</b>		X		Germany	FloorScore	Low-VOC	---	- 35% post-industrial in the form of wood dust and cork flour - 36% rapidly renewable content comprised of cork, linseed oil and jute backing	5 / --	- California Section 01350 - Qualifies for LEED credits: EQ Credit 4.3 - Low-emitting Materials; MR Credit 4.0 - Recycled Content (10% or 20%) MR Credit 6.0 - Rapidly Renewable Resource
<b>Armstrong Migrations</b> BioBased Tile	<b>Armstrong Commercial Flooring</b> <b>Tri-West Ltd.</b> <b>Wayne's Flooring</b>		X		Jackson, MS	FloorScore	Floor-Score certified low-emitting	PVC-free	- Bio-Stride is a polymer with 2% rapidly renewable content - 10% post-industrial recycled limestone content	5 / --	- USGBC member - Qualifies for LEED credits: EQ Credit 4.3 - Low-emitting Materials; MR Credit 4.0 - Recycled Content; MR Credit 6.0 - Rapidly Renewable Resources
<b>Burke EcoFitness Flexibles</b> Sports and fitness flooring	<b>Tri-West Ltd.</b>		X		San Jose, CA	---	---	---	- 71% post-consumer recycled content - Durable	5 / --	Qualifies for LEED credits: recycled content materials

## 09 00 00 FINISHES: FLOORING: RESILIENT (cont.)

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Burke EcoFitness Naturals</b> Indoor sports and fitness flooring	Tri-West Ltd.		X		San Jose, CA	---	---	---	- 88% post-consumer recycled content - Durable	5 / --	Qualifies for LEED credits: recycled content materials
<b>Burke EcoScore Multi-Purpose Rubber Tile</b> Athletic Rubber Flooring	Tri-West Ltd.		X		San Jose, CA	---	---	---	- 67% post-consumer recycled content - Durable	10 / --	Qualifies for LEED credits: recycled content materials
<b>Burke Luxury Vinyl Tile</b> Flooring	Tri-West Ltd.	X			San Jose, CA	---	---	PVC	- 67% post-consumer recycled content - Durable	10 commercial 25 residential / --	Qualifies for LEED credits: recycled content materials
<b>Burke Turf</b> Anti-slip indoor/outdoor flooring	Tri-West Ltd.		X		San Jose, CA	---	---	---	90% post-consumer recycled content	6 / --	Made from recycled bus and truck tire strips adhered to a reinforced scrim backing
<b>Dinoflex</b> Recycled rubber flooring	Architectural Surfaces Inc.		X		Salmon Arm, B.C. Canada	FloorScore	---	Binder does not contain solvents	- Composed of up to 90% recycled post-consumer black tire rubber - Recyclable	---	- Transportation efficiency for product - At end of product life, can be returned to manufacturer to be reused and recycled
<b>ECOsurfaces EConights</b> Recycled SBR tire rubber flooring	RW Supply				---	FloorScore CHPS	---	---	- 91% post-consumer recycled content - Recyclable - Durable: good UV-stability and abrasion resistance	---	- Qualifies for LEED credits - Washington State standard for IAQ compliant - Supports ASTM e2129-01 Sustainability Assessment
<b>ECOsurfaces ECOrocks</b> Recycled rubber flooring	RW Supply				---	FloorScore	---	---	- 13.4% pre-consumer and 37.3% post-consumer recycled content - Recyclable - Durable: good UV-stability and abrasion resistance	---	- Qualifies for LEED credits - Washington State standard for IAQ compliant - Supports ASTM e2129-01 Sustainability Assessment
<b>Edge Effects TP</b> Wall Base	Mannington Commercial T&A Supply Company	X			San Jose, CA	SCS FloorScore	Zero VOC	---	- Energy efficient - Water conserving - 10% post-industrial (pre-consumer) recycled content - Recyclable	5 / 20	The recommended adhesive, MR-101, meet LEED criteria for certification under Credit 4.1 Low Emitting Materials -- Adhesives & Sealants
<b>Johnsonite Ecolibrium biobased</b> Rubber wall base	RW Supply				---	Floor Score	---	---	- 16% pre-consumer recycled content - Rapidly renewable resources: 5.2% all profiles - 100% recyclable - Biobased: from pine rosin, walnut shell, vegetable oil, and oyster shells	---	Qualifies for LEED credits
<b>Karndean</b> LVT flooring	American Carpet One	X			Las Vegas, NV	GREENGUARD ISO 14001	Low-VOC	Binder does not contain solvents	- Recyclable - 50% recycled content (PVC) - Biodegradable	---	- USGBC member - Qualifies for LEED credits

## 09 00 00 FINISHES: FLOORING: RESILIENT (cont.)

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Linoleum with NATURCote</b> Flooring	<b>Armstrong Commercial Flooring</b>  <b>Tri-West Ltd.</b>  <b>Wayne's Flooring</b>		X		Lancaster, PA	FloorScore SCS Indoor Air Quality EC10.2-2007	Low-VOC	---	- Energy efficient - Water-based - Water conserving - Biodegradable - 35% recycled materials - 36% rapidly renewable materials	5 / 20+	- Sustainable flooring made from rapidly renewable raw materials comprised of cork, linseed oil, and jute backing - Qualifies to LEED credits: MR4.0, MR6.0 and EQ4.3, EQ4.1
<b>Relay RE</b> Resilient Sheet Flooring	<b>Mannington Commercial</b>  <b>T&amp;A Supply Company</b>	X			Salem, NJ	SCS FloorScore ISO 14001	Zero VOC	PVC	- Energy efficient - Water conserving - 20% post-consumer; 15% pre-consumer - Recyclable	5 / 30	- Recycled content certified by First Environment: 35% total recycled content - Recommended adhesive, V-95, qualifies for LEED credits: 4.1 Low Emitting Materials -- Adhesives & Sealants
<b>Reset</b> Rubber Flooring	<b>Mannington Commercial</b>  <b>T&amp;A Supply Company</b>	X			Lancaster, PA	SCS FloorScore	Zero VOC	---	- Energy efficient - Water conserving - 72% - 91% post-consumer content - Recyclable	5 / 20	The recommended adhesive, MR-710, qualifies for LEED credits: 4.1 Low Emitting Materials, Adhesives & Sealants
<b>Roppe Corp Pinnacle</b> Rubber wall base	<b>T&amp;A Supply</b>		x		Fostoria, OH	FloorScore CHPS	Low-VOC	PVC-free	- 10% natural rubber - Recyclable	10 / --	Qualifies for LEED credits
<b>Roppe Corp Fiesta</b> Rubber tile & treads	<b>T&amp;A Supply</b>		x		Fostoria, OH	FloorScore CHPS	Low-VOC	PVC-free	- 10% post-industrial waste - 10% natural rubber - Recyclable	10 / --	Qualifies for LEED credits: recycled content materials
<b>Roppe Corp Tuflex</b> Indoor or outdoor multi-use flooring	<b>T&amp;A Supply</b>		x		Fostoria, OH	FloorScore CHPS	Low-VOC	PVC-free	- 85%-95% post-consumer waste - Very durable, non-porous - Recyclable	10 / --	Qualifies for LEED credits: recycled content materials
<b>Roppe Corp SafeCork</b> Rubber Tiles and Treads	<b>T&amp;A Supply</b>		x		Fostoria, OH	FloorScore CHPS	Low-VOC	PVC-free	- 10% recycled cork, 10% natural rubber - Renewable resource - Recyclable	10 / --	Qualifies for LEED credits: recycled content materials
<b>Roppe Corp SafeCork</b> Vinyl Tiles	<b>T&amp;A Supply</b>		x		Fostoria, OH	FloorScore CHPS	Low-VOC	PVC	- 10% recycled cork - Renewable resource: Soybean Oil	10 / --	Qualifies for LEED credits: recycled content materials
<b>FLOORING AND SURFACE: TILE WORK</b>											
<b>AluStone</b> Flooring and wall tiling	<b>Foamtech Hawaii LLC</b>		X		Seoul, South Korea	ATS - Recycled goods certification from S. Korea	Zero VOC	---	- Rapidly renewable - Reused	10 / --	- Aluminum component can be recycled - Lower total stone component required for equivalent surface area coverage (efficiency in natural resource usage)
<b>Crossville EcoCycle Series</b> Floor and wall porcelain tile	<b>Central Pacific Supply Corp./ Tile Mart</b>	X			Crossville, TN	SCS recycled content	Zero VOC	---	- Reused - Recyclable - 40 % recycled content	Lifetime / 30+	- Passive solar conductivity - Made from natural materials - Offers tile take-back program - Packaging efficiency

## 09 00 00 FINISHES: FLOORING AND SURFACE: TILE WORK (cont.)

Product Name	Distribution			Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info	
	Company Name	IS	SO								OI
<b>Daltile Colour Scheme™</b> Glazed porcelain	Maru Flooring	X			---	FSC	---	---	---	- uses roofing industry by-products as a major component of floor tile products - recovers and reuses over 60 million gallons of process wastewater annually - uses pre-consumer (post-industrial) recycled materials in over 97% of products	
<b>Daltile Cristallo Glass™</b> Glass tile	Maru Flooring	X			USA	---	---	---	---	79% recycled content (post-consumer)	- Same as above
<b>Daltile Sonterra Collection™</b> Glass tile	Maru Flooring	X			Multiple locations	---	---	---	---	100% recycled content (pre-consumer)	- Same as above
<b>Interstyle Ceramic &amp; Glass, Ltd.</b> Tile flooring	Evergreen by Debra, LLC		X		Burnaby, B.C. Canada	---	Zero VOC	---	---	Reused	Packaging efficiency: the products are packed in shredded cardboard from recycled post-consumer and post-industrial sources
<b>Marble Systems</b> Natural stone company travertine	American Carpet One	X			Multiple locations	---	---	---	---	Reused	Uses remaining tile pieces to create new tiles in distinctive patterns
<b>Migrations BioBased Tile with BioStride</b> Tile flooring	Armstrong Commercial Flooring	X			Jackson, MS	FloorScore	Indoor Air Quality Certified to SCS-EC10.2-2007	PVC-free	---	5 / 10+	- Preconsumer recycled content reduces the use of virgin materials - Contains BioStride made with rapidly renewable materials, from US Grown materials - Qualifies for LEED credits
<b>Premium Visual Tile (VCT) Brushwork, Colorpoint, Solidpoint</b> Tile flooring	Mannington Commercial T&A Supply Company	X			Salem, NJ	SCS FloorScore ISO 14001	Zero VOC	---	---	5 / 30	The recommended adhesive, M-Guard V-11, qualifies for LEED credits: Credit 4.1 Low Emitting Materials -- Adhesives & Sealants
<b>Royal Mosa</b> Wall and floor tile	Evergreen by Debra, LLC		X		Maastricht Netherlands	Cradle to Cradle (C2C)	Zero VOC	---	---	1 / 40+	Mosa closed the coolingwater cycle, reducing the total volume of water pumped from groundwater by over 60%

**09 00 00 FINISHES: FLOORING AND SURFACE: TILE WORK (cont.)**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Terra Green Ceramics</b> Wall and floor tile	Evergreen by Debra, LLC		X		Richmond, IN	SCS	Zero VOC	---	- Reused - Minimum 55% pre-consumer content: recycled glass	1 / 40+	---
<b>TREND-Q</b> Tile flooring	Evergreen by Debra, LLC		X		Sebring, FL	GREENGUARD	Zero VOC	---	40 to 72% recycled content: post-consumer or post-industrial content depending on color	1 / 40	Thin profile allows for tile over tile installations eliminating the need to demolish old tile installations and send them to landfill
<b>FLOORING: WOOD</b>											
<b>EcoTimber</b> Flooring	Green Builders Depot		X		---	CARB & OTC FSC	---	Made with formalde-hyde-free adhesives	---	---	---
<b>Garrison</b> Wood flooring	Pacific American Lumber		X		CA	FSC	---	---	- Biodegradable - Reusable - Recyclable	25 / --	---
<b>Hallmark</b> Wood flooring	Maru Flooring	X			USA	CARB & OTC Phase 2 FSC	---	---	---	Lifetime structural, 20-30 finish / --	Qualifies for LEED credits
<b>Kahala Floors Contempo Collection</b> Engineered wood flooring	Pacific Imports International	X			USA	---	Zero VOC	Formaldehyde but meets E1 standards for offgasing	- Rapidly renewable - Reclaimed Baltic Birch backing material - Biodegradable	25 / 80-100	Uses rapidly renewable, reclaimed Baltic birch wood for 75% of flooring construction
<b>Max Windsor</b> Hardwood flooring	Kauai Floors, Inc.		X		CA	FSC	---	---	- Biodegradable - Reusable - Recyclable	25 / --	National Wood Flooring Association member
<b>Nevamar</b> Laminate	Pacific American Lumber	X			CA	GREENGUARD FSC	---	- Phenol - Formaldehyde	- 13 to 17% post-industrial recycled content - Up to 9% rapidly renewable material content	---	- Environmentally responsible corporate practices - Qualifies for LEED credits: MR6 Rapidly Renewable Material; MR4 Recycled Content
<b>Pionite</b> Laminate	Pacific American Lumber	X			Auburn, ME	GREENGUARD FSC	---	No Urea-Formaldehyde Resins	- 16 to 21% post-industrial recycled content - 9% rapidly renewable material content	---	Qualifies for LEED credits: MR 4 Recycled Content MR6 Rapidly Renewable Material; EQ 4.4 Low Emitting Materials
<b>Quickstep Laminate Flooring</b> Laminate flooring	Tri-West Ltd.		X		USA	NALFA	---	---	74% post-industrial wood waste content	5 commercial limited lifetime residential / --	---
<b>PAINTING, COATING AND SEALANTS</b>											
<b>Acri-Soy</b> Sealer	Green Builders Depot	X			Phoenix, AZ	---	<25 g/L	---	- Biobased - Rapidly renewable - Post-consumer recycled content	-- / 1-2	- Material waste reduced by up to 60%: cuts energy, waste, and expense - Made from advanced soy ester dispersion technology (natural plant oils)



## 09 00 00 FINISHES: PAINTING, COATING AND SEALANTS

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Acrylacq</b> Wood Finish	<b>Green Builders Depot</b>	X			San Diego, CA	SCS	.83 lb/gal - 99 g/L	---	- Water-based - Recyclable - Able to dispose of in landfill after drying out the product	-- / 1-2	---
<b>AFM Naturals</b> Clear Penetrating Oil	<b>Green Builders Depot</b>	X			San Diego, CA	---	250 g/L or less (low VOC)	- Cobalt-free - Lead-free	Biobased	---	- 100% organic flax, linseed, hemp and soilbean oils, isoaliphate - Contains no aromatic hydrocarbons, mildewcides, fungicides or preservatives
<b>AFM Naturals</b> Oil Wax Finish	<b>Green Builders Depot</b>	X			San Diego, CA	---	Less than 250 g/L (low VOC)	- No biocides or harmful preservatives - Free of lead, cobalt and cytrus	- Biodegradable - Biobased	---	Based on natural vegetable oils, waxes and plant extractives
<b>AFM SafeChoice</b> Carpet Lock Out	<b>Green Builders Depot</b>	X			San Diego, CA	---	Zero VOC	---	---	limited warranty / --	- Seals in toxic pollutants to keep them from off-gassing - Safer option for the chemically sensitive - Low odor
<b>AFM SafeChoice X-158</b> Prophylactic Surface Sealer	<b>Green Builders Depot</b>	X			San Diego, CA	---	Zero VOC	Non-toxic	---	Limited warranty / --	- Dye free - Low odor - Safer option for the chemically sensitive
<b>AFM Safecoat AcriGlaze</b> Gloss or Matte	<b>Green Builders Depot</b>	X			San Diego, CA	SCS Indoor Advantage Gold	9 g/L; 52 g/L (very low-VOC)	- Non-toxic - Formaldehyde-free - Minimal outgassing	---	---	No ammonia, aromatic hydrocarbon compounds, exempt solvents or hazardous air pollutants
<b>AFM Safecoat Acrylac</b> Interior gloss	<b>Green Builders Depot</b>	X			San Diego, CA	SCS Indoor Advantage Gold	99 g/L; 231 g/L (very low-VOC)	No unnecessary chemicals	Water based	---	No ammonia, aromatic hydrocarbon compounds, exempt solvents or hazardous air pollutants
<b>AFM Safecoat DuroStain</b> Interior/exterior stain	<b>Green Builders Depot</b>	X			San Diego, CA	SCS Indoor Advantage Gold	13 g/L; 67 g/L (very low-VOC)	No unnecessary chemicals	Water based	---	No ammonia, aromatic hydrocarbon compounds, exempt solvents or hazardous air pollutants
<b>AFM Safecoat Exterior Satin</b> Exterior paint	<b>Green Builders Depot</b>	X			San Diego, CA	SCS Indoor Advantage Gold	17 g/L; 42 g/L (very low-VOC)	- Non-toxic - Formaldehyde-free - Minimal outgassing	No ammonia, aromatic hydrocarbon compounds, exempt solvents or hazardous air pollutants	---	---

## 09 00 00 FINISHES: PAINTING, COATING AND SEALANTS (cont.)

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>AFM Safecoat Flat, Pearl, Eggshell or Semi Gloss</b> Interior paint	Green Builders Depot	X			San Diego, CA	SCS Indoor Advantage Gold	Zero VOC	No unnecessary chemicals	Water based	---	No ammonia, aromatic hydrocarbon compounds, exempt solvents or hazardous air pollutants
<b>AFM Safecoat Grout Sealer</b>	Green Builders Depot	X			San Diego, CA	---	Zero VOC	No formaldehyde, toxic mildew-cides or fungicides	Water-based	Limited warranty / --	Low odor
<b>AFM safecoat Mexeseal</b> Semi Gloss Stone, Concrete, and Porous Tile Sealer	Green Builders Depot	X			San Diego, CA	SCS Indoor Advantage Gold	< 180 g/L	No formaldehyde, mildew-cides or fungicides	- Low odor - Water-based	Limited warranty / --	---
<b>AFM Safecoat Penetrating WaterStop</b>	Green Builders Depot	X			San Diego, CA	---	Zero VOC	- Non-toxic - Formaldehyde-free - No toxic fungicides	---	Limited warranty / 5	- Low odor - Safe to use for the chemically sensitive
<b>AFM Safecoat PolysureSeal BP</b> Gloss or Satin	Green Builders Depot	X			San Diego, CA	SCS Indoor Advantage Gold	110 g/L; 275 g/L (very low-VOC)	- Non-toxic - Formaldehyde-free - Minimal outgassing	Water based	---	---
<b>AFM Safecoat Safe Seal</b> Particle Board and Plywood Sealer	Green Builders Depot	X			San Diego, CA	---	64 g/L	Formaldehyde free	---	limited warranty / --	- Seals in toxic pollutants to keep them from off-gassing - Safer option for the chemically sensitive
<b>AFM Safecoat Trim &amp; Door Enamel</b>	Green Builders Depot	X			San Diego, CA	SCS Indoor Advantage Gold	21 g/L; 49 g/L (very low-VOC)	- Non-toxic - Formaldehyde-free - Minimal outgassing	---	---	No ammonia, aromatic hydrocarbon compounds, exempt solvents or hazardous air pollutants
<b>American Pride Interior Latex Paint</b>	Green Builders Depot	X			MS	Green Wise	Zero VOC	---	Zero carcinogens	---	---
<b>Benjamin Moore Aura Bath &amp; Spa Interior Paint</b>	HPM		X		USA and Canada	CHPS GREENGUARD	< 44g/L (low VOC) after tinting	---	---	---	Mildew resistant
<b>Benjamin Moore Eco Spec Waterborne paint</b> Interior paint	HPM	X			USA and Canada	CHPS GREENGUARD	Zero even after tinting	---	---	---	Low odor

## 09 00 00 FINISHES: PAINTING, COATING AND SEALANTS (cont.)

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Benjamin Moore Eco Spec WB Silver</b> Interior paint	HPM		X		USA and Canada	CHPS GREENGUARD	Zero even after tinting	---	---	---	Antimicrobial additives including pure elemental silver to provide a mildew-resistant coating
<b>Benjamin Moore Natura</b> Interior Paint	HPM	X			USA and Canada	Green Seal (GS-11) MPI Green Performance CHPS GREENGUARD	Zero even after tinting	Low odor	---	---	---
<b>Benjamin Moore Aura</b> Interior Paint	HPM	X			USA and Canada	CHPS GREENGUARD	< 48g/L (low VOC) after tinting	Low odor	---	---	---
<b>Benjamin Moore Ben</b> Interior Paint	HPM		X		USA and Canada	CHPS GREENGUARD	<46 g/L (low VOC) after tinting	Low odor	---	---	---
<b>Benjamin Moore Waterborne</b> Ceiling paint	HPM	X			USA and Canada	---	<34 g/l (low VOC) after tinting	Low odor	---	---	---
<b>Deft</b> Stain and finishes	<b>Pacific American Lumber, Woodcraft</b>	X			Irvine, CA	GREENGUARD	Low VOC	Low odor	Water-based	---	---
<b>Devoe Paint Wonder Pure</b> Interior primer and finish paint	<b>Painter's Warehouse, Inc</b>	X			Honolulu, HI	GREENGUARD Children & Schools MPI Green Performance, category #147	50 g/L, or Zero VOC options	Odorless, less likely to cause allergic sensitivity	Water-based	---	Qualifies for LEED credits
<b>EcoProcote Acri-Soy</b> Penetrating Clear Sealer	<b>Green Builders Depot</b>	X			AZ	---	---	---	Biobased	---	Does not flake or peel, allowing for recoats without use of stripper
<b>EcoProcote Eco-Tuff</b> Industrial Floor Coating	<b>Green Builders Depot</b>	X			AZ	---	Zero VOC	---	Biobased	---	---
<b>EcoProcote TimberSoy Natural</b> Wood Stain	<b>Green Builders Depot</b>	X			AZ	---	---	---	- 70% biobased recycled content - Durable	---	- No film to flake or peel, allowing recoats without stripping - 2-3 times longer life span than conventional wood stains

## 09 00 00 FINISHES: PAINTING, COATING AND SEALANTS (cont.)

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>EcoProcote DuraSoy One</b> Paint	Green Builders Depot	X			AZ	---	---	---	- 40% biobased recycled content - 64% solids for a higher build, more durability, and water resistance	---	---
<b>EcoProcote Eco-Tuff</b> Non Skid Coating	Green Builders Depot	X			AZ	---	Zero VOC	---	- Biobased - Contains recycled rubber	---	---
<b>EcoProcote Eco-Tuff High Traffic</b> Clear Coat	Green Builders Depot	X			AZ	---	---	---	Contains biobased recycled content	---	---
<b>EcoProcote Eco-Tuff High Traffic Flex Clear</b> Wood Finish	Green Builders Depot	X			AZ	---	---	---	Contains biobased recycled content	---	---
<b>EcoProcote Poly-Soy TopCoat</b> Clear Finish	Green Builders Depot	X			AZ	---	---	---	Biobased	---	---
<b>FreshAire</b> Interior Latex Paint	Home Depot	X			OH	GREENGUARD Indoor Air Quality GREENGUARD Children &	Zero even after tinting	Formaldehyde free No chemical odor	---	---	---
<b>Green Link</b> Drywall, Panel & foam Adhesive	Green Builders Depot	X			MI	CARB & OTC	< 20 g/L	CAL Prop 65	---	Lifetime / --	BioSafe product
<b>LIFEMASTER Glidden Professional</b> Paints	Yama's Painting	X			Honolulu, HI	GREENGUARD	Zero VOC	---	- Water-based - Biodegradable	-- / 20	Reduces hazardous chemicals waste
<b>Lumber-Seal</b> Wood Sealer	Green Builders Depot	X			---	---	---	---	- Non-toxic - Non-hazardous	---	---
<b>Mythic Non-toxic Paint</b> Exterior latex	Green Builders Depot	X			Hattiesburg, MS	Green Wise	Zero VOC	---	- Zero toxins - Zero carcinogens	---	- Environmentally responsible corporate practices - USGBC member
<b>Mythic Non-toxic Paint</b> Interior latex	Green Builders Depot	X			Hattiesburg, MS	Green Wise	Zero VOC	---	- Zero toxins - Zero carcinogens	---	- Environmentally responsible corporate practices - USGBC member
<b>Old Fashioned Milk Paint</b> Interior/exterior paint	The Old Fashioned Milk Paint Co., Inc.	X			Groton, MA	---	Zero VOC	---	- Water-based - 100% biobased - Biodegradable	---	- Qualifies for LEED credits: LEED - NC IEQ Credit 4.2, Low Emitting Materials- Paints & Coatings - Efficient packaging

## 09 00 00 FINISHES: PAINTING, COATING AND SEALANTS (cont.)

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>PolyWhey</b> Wood Floor Finish	<b>Vermont Natural Coatings</b>			X	Hardwick VT	GreenSpec	Low VOC	---	- Water-based - Biobased: Whey-based 20%	1 year	- Recycled Containers - Durable - Qualifies for LEED credits - Easy Application
<b>PolyWhey</b> Wood Furniture Finish	<b>Vermont Natural Coatings</b>			X	Hardwick VT	GreenSpec	Low VOC	---	- Water-based - Biobased: Whey-based 20%	1 year	- Recycled Containers - Durable - Qualifies for LEED credits - Easy Application
<b>PolyWhey WoodTone Series</b> Concentrated Tints	<b>Vermont Natural Coatings</b>			X	Hardwick VT	GreenSpec	Zero VOC	Non-toxic	Water-based Pigments	1 year	- Recycled Containers - Instand Dispersion - Excellent Transparency
<b>Royal Islander</b> Interior paint	<b>City Mill</b>	X			---	---	Zero VOC	---	---	---	Zero VOC paints maintain indoor air quality
<b>Royal Islander</b> Primer	<b>City Mill</b>	X			---	---	Zero VOC	---	---	---	Zero VOC paints maintain indoor air quality
<b>SafePaint Milk Paint</b> Interior/exterior paint	<b>The Old Fashioned Milk Paint Co., Inc.</b>			X	Groton, MA	---	Zero VOC	---	- Water-based - 100% biobased - Biodegradable	---	- Qualifies for LEED credits: LEED - NC IEQ Credit 4.2, Low-emitting Materials- Paints & coatings - Efficient packaging
<b>Sherwin-Williams Harmony</b> Paint	<b>Yama's Painting</b>	X			HI	GREENGUARD	Zero VOC	---	- Water-based - Biodegradable	- / 20	- Reduces hazardous chemicals waste - Contributes to improved IAQ
<b>Sherwin-Williams Promar 200 Zero</b> Paint	<b>Yama's Painting</b>	X			HI	GREENGUARD	Zero VOC	---	- Water-based - Biodegradable	- / 20	- Reduces hazardous chemicals waste - Contributes to improved IAQ
<b>Sherwin-Williams Pro Industrial Zero</b> Paint	<b>Yama's Painting</b>	X			HI	GREENGUARD	Zero VOC	---	- Water-based - Biodegradable	- / 20	- Reduces hazardous chemicals waste - Contributes to improved IAQ
<b>StoCoat Lotusan</b> Exterior coating with Lotus-Effect	<b>Sto Corp.</b>				Atlanta, GA	---	83 g/ L	---	- Water-based - Durable: UV resistant	---	Low-maintenance: dirt runs off with the water that falls on the façade
<b>Zolatone</b> Paint finish system	<b>Wallpaper Hawaii, Ltd.</b>		X		Eagan, MN	---	60 g/L	---	- Energy efficient - Water-based	-- / 15	- Environmentally responsible corporate practices - Packaging efficiency - Reflective requiring less lighting - USGBC member

**09 00 00 FINISHES: SURFACING MATERIALS**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Aluminum Foam</b> Ultra-light building material	<b>Foamtech Hawaii LLC</b>		X		Seoul, South Korea	ATS - Recycled goods certification from S. Korea	Zero VOC	Non-toxic	- Rapidly renewable - Reused - Made from 97.2% post-consumer waste aluminum - Reusable - Recyclable	10 / 60+	- Thermal Conductivity 0.08-0.10 W/(m·K), - Noncombustible
<b>Chemetal</b> Metal laminate surfacing material	<b>Architectural Surfaces Inc.</b>		X		Easthampton, MA	---	---	---	- Can contain up to 85% recycled content - Recyclable	---	- Product is aluminum based which is 100% recyclable at the end of its life - Qualifies for LEED credits: LEED MR Credit 4, Recycled Materials
<b>ecoX</b> Surfacing material	<b>Meld USA</b>		X		Raleigh, NC	---	Zero VOC	---	- 74% post-Industrial recycled content - Recyclable	5 / --	Concrete in a box technology reduces breakage, increasing resource efficiency
<b>Kirei Board</b>	<b>Green Builders Depot</b>		X		CA	---	Zero VOC	No added formalde-hyde adhesive	- Manufactured from reclaimed sorghum straw as a wood substitute - Min 90% post-Industrial recycled material	---	This straw is considered a waste product, board keeps waste from entering landfills
<b>Kirei Wheatboard</b>	<b>Green Builders Depot</b>		X		CA	---	Zero VOC	Uses nontoxic adhesives	- 90 % post-industrial recycled material: wheat straw - Contains recycled materials	---	Made with renewable resources
<b>WALL FINISHES</b>											
<b>Duroplex</b> Wall finish	<b>Architectural Surfaces Inc.</b>		X		Warwick, RI	SCS Indoor Advantage Gold	Low VOC base and Zero VOC pigments	---	- Biodegradable - Durable	10 / --	---
<b>Phillip Jeffries</b> Wallpapers	<b>Architectural Surfaces Inc.</b>		X		Fairfield, NJ	---	---	---	- Rapidly renewable - Backed with 85-100% post-consumer recycled paper - Biodegradable - Recyclable	---	Natural biodegradable materials used
<b>Symphony EcoView</b> Wallcovering	<b>Architectural Surfaces Inc.</b>		X		South Hackensack, NJ	FSC	Low VOC	PVC	- 30% post-consumer recycled content - Printed on FSC certified paper - Recyclable	5 / --	- Recycles 2 million lbs of vinyl waste each year - Recycles 100% of printing inks - Recycles heat generated from compressors to heat facility in winter

**10 00 00 SPECIALTIES****LOOK FOR PRODUCTS WITH:**

- Energy efficiency
- Rapidly renewable materials
- Reusability
- Recyclability
- Biodegradable materials
- ENERGY STAR, Nordic Swan, or other third-party certifications

For a full list of ENERGY STAR certified products:

[http://www.energystar.gov/index.cfm?c=products.pr\\_find\\_es\\_products](http://www.energystar.gov/index.cfm?c=products.pr_find_es_products)

**THIRD-PARTY CERTIFICATION PROGRAMS:**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>WOOD BURNING STOVES AND ACCESSORIES</b>											
<b>Big Green Egg</b> Ceramic cooker	Fireplace & Home Center	X			Tucker, GA	---	---	---	- Energy efficient - Rapidly renewable - Recyclable - Biodegradable	5 / --	---
<b>EcoSmart Fire</b> Burners using denatured alcohol	Fireplace & Home Center	X			Los Angeles, CA	---	---	---	- Energy efficient - Rapidly renewable - Recyclable	2 / --	---
<b>Enviro</b> PureHeat Thermal Pest Eradication	Sandwich Isle Pest Solutions	X			Pearl City, HI	---	---	Does not use pesticides	- Energy efficient - Biodegradable	1 / NA	- Thermal Pest Eradication uses clean heat to eradicate 100% of bed bugs and drywood termites - Pest eradication without using pesticides
<b>Hearthstone</b> Wood burning stoves	Fireplace & Home Center	X			Morrisville, VT	---	---	---	- Energy efficient - Rapidly renewable - Reusable - Recyclable - Biodegradable	5 / --	Green Energy / low carbon emissions: woodstoves utilize modern, low emission combustion technology to create carbon-neutral burning
<b>Jotul</b> Cast iron wood burning stove	Fireplace & Home Center	X			Gorham, ME	---	---	---	- Energy efficient - Rapidly renewable - Reused - Reusable - Recyclable	5 / --	Wood burning is CO2 neutral bioenergy
<b>Morso</b> Energy efficient wood stoves	Fireplace & Home Center	X			Portland, TN	---	---	---	- Energy efficient - Rapidly renewable - Reused - Reusable - Recyclable - Biodegradable	10 / --	98% recycled iron recycled packaging
<b>Rais America</b> Cast iron wood burning stove	Fireplace & Home Center	X			Bowling Green, KY	Nordic Swan Ecolabel	---	---	- Energy efficient - Rapidly renewable - Reused - Reusable - Recyclable	5 / --	---
<b>Spec-Rite Designs</b> Lockers	Pacific Recreation Co., LLC		X		St. Louis, MO	GREENGUARD	---	---	- Rapidly renewable - Reusable	15 / 40	- Environmentally responsible corporate practices - Qualifies for LEED credits



**11 00 00 EQUIPMENT****LOOK FOR PRODUCTS WITH:**

- Energy efficiency and/or ENERGY STAR Certification

For a full list of ENERGY STAR certified products:

[http://www.energystar.gov/index.cfm?c=products.pr\\_find\\_es\\_products](http://www.energystar.gov/index.cfm?c=products.pr_find_es_products)

- Recycled Content

**THIRD-PARTY CERTIFICATION PROGRAMS:**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>COMPACTOR</b>											
BigBelly Solar Compactor	GOC Technologies	X			USA	---	Virtually no VOC (powder coat painting)	- Lead-free - Chromium-free	- Energy efficient: uses solar power to compact trash - Diverts waste from landfill - 80% -100% Post-consumer recycled content (plastic) - Recyclable	---	- Reduces collection trips and can cut related fuel usage and GHG emissions by 80% - Qualifies for LEEED credits - Uses recycled cardboard and wooden pallet for packaging
<b>COMPOSTING EQUIPMENT</b>											
Basic Box Bin Worm Composting Bin	Waikiki Worm Company	X			Honolulu, HI	---	---	---	Made from reused materials	---	- Composting helps reduce the demand on landfills - Bins made from reclaimed irrigation pipe
Can-O-Worms Worm Composter	Waikiki Worm Company	X			Australia	---	---	---	Made from 100% recycled plastic	---	Composting helps reduce the demand on landfills
Growing Solutions Compost Tea Catalyst	Waikiki Worm Company	X			Eugene, OR	---	---	---	Biobased	---	- Mostly organic ingredients stimulate diverse microbial growth during aerated compost tea production - Uses compost to make an organic alternative to chemical fertilizers
Growing Solutions 10, 25, 100 or 500 Gallon Compost Tea System	Waikiki Worm Company		X		Eugene, OR	---	---	---	Biobased	---	Uses compost to make an organic alternative to chemical fertilizers
O.R.C.A Green Machine Food digester, Composting Machine	Totally Green, Inc.	X			Tulsa, OK	Greener Product	Zero VOC	---	- Energy efficient - Reused - Recyclable	3 to 5 / --	- Removes organic food waste from the waste stream - Reduces an organizations carbon footprint - Enriches soil on-site
Pipeline Worm System Vermi-composting equipment	Waikiki Worm Company	X			Honolulu, HI	---	---	---	- Energy efficient - Rapidly renewable - Water conserving - Reusable - Recyclable	NA / 100	Reduces volume of organic waste
POP Bin Worm Composting Bin	Waikiki Worm Company	X			Honolulu, HI	---	---	---	Made from reused materials	---	- Composting helps reduce the demand on landfills - Bins made from reclaimed irrigation pipe

**11 00 00 EQUIPMENT: COMPOSTING EQUIPMENT (cont.)**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Prota Culture ProtaPod Composting</b> Commercial Bioconversion Unit	Waikiki Worm Company		X		Dallas, TX	---	---	---	Biobased	---	- Bioconversion units compost food waste, reducing the demand on landfills - Uses the Black Soldier Fly as decomposer, which produces a grub for feeding chickens
<b>Prota Culture BioPod</b> Bioconversion Unit	Waikiki Worm Company	X			Dallas, TX	---	---	---	Biobased	---	- Bioconversion units compost food waste, reducing the demand on landfills - Uses the Black Soldier Fly as decomposer, which produces a grub for feeding chickens
<b>Worm HangOut</b> Worm Composting Bin	Waikiki Worm Company	X			CA	---	---	---	Biobased	---	Composting helps reduce the demand on landfills
<b>Red Wigglers and Indian Blueworm</b> Composting worms	Waikiki Worm Company	X			Honolulu, HI	---	---	---	Biobased	---	Composting helps reduce the demand on landfills
<b>APPLIANCES: REFRIGERATORS, FREEZERS, WASHERS, DRYERS, DISHWASHERS</b>											
<b>Electrolux</b> Refrigerators	Lowes	X			Multiple locations	ENERGY STAR	---	---	Energy efficient	1 / --	---
<b>Electrolux</b> Washing Machine	Lowes	X			Multiple locations	ENERGY STAR	---	---	Energy efficient	1 / --	---
<b>Frigidaire</b> Refrigerators	Lowes	X			USA and Canada	ENERGY STAR	---	---	Energy efficient	1 / --	---
<b>GE</b> Clothes Dryer	Home Depot	X			Multiple locations	ENERGY STAR	---	---	Energy efficient	1 / --	---
<b>GE</b> Dishwasher	Home Depot	X			Multiple locations	ENERGY STAR	---	---	Energy efficient	1 / --	---
<b>GE</b> Washing Machine	Home Depot Lowes	X			Multiple locations	ENERGY STAR	---	---	Energy efficient	1 / --	---
<b>LG</b> Dehumidifier	Home Depot	X			---	ENERGY STAR	---	---	Energy efficient	---	---
<b>LG</b> Dishwasher	Home Depot	X			---	ENERGY STAR	---	---	Energy efficient	1 - 10 / --	Uses a SenseClean wash system that measures the level of soil in the water and automatically adjusts the cycle for precise cleaning and energy and water conservation

**11 00 00 EQUIPMENT: APPLIANCES: REFRIGERATORS, FREEZERS, WASHERS, DRYERS, DISHWASHERS (cont.)**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>LG</b> Washing Machine	<b>Home Depot</b>	X			---	ENERGY STAR	---	---	Energy efficient	1 (parts and labor), 2 (control board) 10 (motor), Lifetime (drum) / --	Uses a SenseClean wash system that measures the level of soil in the water and automatically adjusts the cycle for precise cleaning and energy and water conservation
<b>Liebherr</b> Refrigerators	<b>Hawaii Home Expo</b>		X		Spokane, WA	ENERGY STAR	---	---	Energy efficient	5 / 20	Environmentally responsible corporate practices
<b>Maytag</b> Washing machine	<b>Lowe's</b>	X			Multiple locations	ENERGY STAR	---	---	Energy efficient	1 / --	---
<b>Maytag</b> Refrigerators	<b>Home Depot</b>	X			---	ENERGY STAR	---	---	---	10 / --	---
<b>Samsung</b> Refrigerators	<b>Lowe's</b>	X			---	ENERGY STAR	---	---	Energy efficient	1 / --	---
<b>Sub-Zero</b> <b>Integrated All</b> Refrigerator Column	<b>HPM</b>			X	USA	ENERGY STAR	---	---	Energy efficient	2 Residential / --	---
<b>Sub-Zero</b> <b>Built-In All</b> Freezer	<b>HPM</b>			X	USA	ENERGY STAR	---	---	Energy efficient	2 Residential / --	---
<b>Sub-Zero</b> <b>Built-In All</b> Refrigerator	<b>HPM</b>			X	USA	ENERGY STAR	---	---	Energy efficient	2 Residential / --	---
<b>Sub-Zero</b> Integrated Refrigerator / Freezer	<b>HPM</b>			X	USA	ENERGY STAR	---	---	Energy efficient	2 Residential / --	---
<b>Sub-Zero</b> <b>Undercounter</b> Refrigerator	<b>HPM</b>			X	USA	ENERGY STAR	---	---	Energy efficient	2 Residential / --	---
<b>Sub-Zero</b> <b>Undercounter</b> <b>Outdoor All</b> Refrigerator	<b>HPM</b>			X	USA	ENERGY STAR	---	---	Energy efficient	1 / --	---
<b>TOTO</b> <b>Clean Dry™</b> <b>High Speed</b> <b>Concealed</b> Hand Dryer	<b>The Bathroom Store</b>	X			Fairburn, GA	ENERGY STAR	---	Small amount of lead in circuit board	---	3 / 10+	- Reusable, washable filter for clean, fresh air - Low power consumption
<b>Whirlpool</b> <b>All Refrigerator</b> Refrigerator	<b>HPM</b>		X		Multiple locations	ENERGY STAR	---	---	Energy efficient	1 / --	ENERGY STAR partner
<b>Whirlpool</b> Freezer	<b>HPM</b>		X		Multiple locations	ENERGY STAR	---	---	Energy efficient	1 / --	ENERGY STAR partner

**11 00 00 EQUIPMENT: APPLIANCES: REFRIGERATORS, FREEZERS, WASHERS, DRYERS, DISHWASHERS (cont.)**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Whirlpool</b> Freezer-on-Bottom Refrigerator	<b>HPM</b>		X		Multiple locations	ENERGY STAR	---	---	Energy efficient	1 / --	ENERGY STAR partner
<b>Whirlpool</b> Freezer-on-Top Refrigerator	<b>HPM</b>		X		Multiple locations	ENERGY STAR	---	---	Energy efficient	1 / --	ENERGY STAR partner
<b>Whirlpool</b> Side-by-Side Refrigerator	<b>HPM</b>		X		Multiple locations	ENERGY STAR	---	---	Energy efficient	1 / --	ENERGY STAR partner
<b>Whirlpool</b> Washing Machine	<b>HPM</b> <b>Lowe's</b>		X		Multiple locations	ENERGY STAR	---	---	Energy efficient	1 / --	ENERGY STAR partner
<b>Whirlpool</b> Dishwasher	<b>HPM</b>		X		Multiple locations	ENERGY STAR	---	---	Energy efficient	1 / --	ENERGY STAR partner
<b>Zurn</b> Hand Dryer	<b>Pacific Rim Partners, LLC</b>		X		---	GreenSpec	---	---	- Durable: polished stainless steel cover - Energy efficient: cuts normal dry time by 50% with maximum heating efficiency - Resource efficient: 90-95% cost savings over paper towels	10 / --	---

## 12 00 00 FURNISHINGS

**LOOK FOR PRODUCTS WITH:**

- SCS or GREENGUARD Certification for optimal indoor air quality
- SFC Certification for sustainable furnishings
- Recyclability, Biodegradability, and/or Cradle to Cradle Certification for after useful life options
- Fabrics made from plant-based and/or organic materials and dyes
- Biobased stains and finishes
- Reclaimed, Reused, or Recycled content
- FSC or SFI Certified wood

**THIRD-PARTY CERTIFICATION PROGRAMS:**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>ALERA Reception</b> Lounge Series Office furniture	<b>Office Max</b>	X			---	GREENGUARD Indoor Air Quality ANSI/BIFMA	---	---	---	5 / --	---
<b>American Plastic Lumber, Inc</b> Outdoor Furniture & Site Amenities	<b>American Plastic Lumber, Inc</b>			X	Shingle Springs, CA	---	---	---	- Rapidly renewable - Reused - 95-100% recycled, +/- 65% post-consumer, 35% post-industrial (average) - Reusable - Recyclable	20 / 20+	- Non-toxic during manufacturing - Durable
<b>Archetype Designs</b> Upholstered products	<b>So'mace</b>		X		CA	---	Low VOC	---	New Pure line uses all natural and recycled fills made from plastic bottles (up-cycled) and also uses recycled steel springs.	Lifetime warranty on frames	Member of the Sustainable Furnishings Council
<b>Cisco Brothers</b> Furniture and accessories	<b>So'mace</b>		X		CA	FSC (woods)	Zero VOC	Natural glues, washes, dyes and adhesives	Some products contain reclaimed materials, recycled metals for springs and nailheads. Also offer a completely natural line called Inside Green where wool can be substituted for latex	Lifetime warranty on frames	Member of The Designers Accord, Sustainable Furnishings Council
<b>Crown EcoPlus</b> Wiper/Scraper Mats	<b>Office Max</b>	X			---	---	---	---	Made with a 100% recycled P.E.T. fiber surface	---	---
<b>Crown Eco-Step</b> Wiper Mats	<b>Office Max</b>	X			---	---	---	---	Made with 100% recycled P.E.T. fiber source	---	---
<b>Designer Natural Shades</b> Window shades	<b>Window World, Inc.</b>	X			Honolulu, HI	---	Zero VOC	---	- Rapidly renewable - Biodegradable	---	---

## 12 00 00 FURNISHINGS (cont.)

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Dwyer Modular</b> Casework and Kitchens	<b>Dwyer Products Corporation</b>		X		Woodridge, IL	GREENGUARD Indoor Air Quality GREENGUARD Children & Schools	Less than .05ppg	---	- Reused - 30-75% post-consumer recycled content - Reusable - Recyclable	10 / 40	---
<b>GLOBAL Comet</b> Stacking Chairs	<b>Office Max</b>	X			---	SCS Indoor Advantage Gold GREENGUARD Indoor Quality ANSI/BIFMA	---	---	---	---	---
<b>GLOBAL Laurent Series</b> Office furniture	<b>Office Max</b>	X			Marlton, NJ	GREENGUARD Indoor Air Quality ANSI/BIFMA	---	---	---	---	---
<b>HON 210 Series</b> Deep Vertical Files	<b>Office Max</b>	X			---	SCS Indoor Advantage ANSI/BIFMA	---	---	30% post-consumer (CPG)	---	---
<b>HON 38000 Series</b> Metal Desks	<b>Office Max</b>	X			---	ANSI/BIFMA	---	---	100% pre-consumer recycled laminate (CPG)	---	---
<b>HON 500 Series</b> Lateral Files	<b>Office Max</b>	X			---	SCS Indoor Advantage ANSI/BIFMA	---	---	30% post-consumer (CPG)	---	---
<b>HON 94000 Series</b> Traditional Office Furniture	<b>Office Max</b>	X			---	SCS Indoor Advantage ANSI/BIFMA	---	---	---	---	---
<b>HON Brigade</b> Pedestals with Radius Pulls	<b>Office Max</b>	X			---	SCS Indoor Advantage ANSI/BIFMA	---	---	30% post-consumer (CPG)	---	---
<b>HON Brigade 800 Series</b> 2-and3-Drawer Lateral Files	<b>Office Max</b>	X			---	SCS Indoor Advantage ANSI/BIFMA	---	---	30% post-consumer (CPG)	---	---
<b>HON Brigade Steel</b> Bookcases	<b>Office Max</b>	X			---	ANSI/BIFMA	---	---	30% post-consumer (CPG)	---	---
<b>HON Brigade Steel</b> Storage Cabinets	<b>Office Max</b>	X			---	SCS Indoor Advantage	---	---	30% post-consumer (CPG)	---	---
<b>HON Metro Classic Series</b> Office furniture	<b>Office Max</b>	X			---	ANSI/BIFMA	---	---	30% post-consumer (steel) (CPG)	---	---
<b>HON Mirus Series</b> Office chairs	<b>Office Max</b>	X			---	SCS Indoor Advantage Gold	---	---	---	---	---

## 12 00 00 FURNISHINGS (cont.)

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>HON</b> Multipurpose Stackable Chairs	<b>Office Max</b>	X			---	SCS Indoor Advantage ANSI/BIFMA	---	---	---	---	---
<b>Honolulu Furniture Company</b> Eco friendly furniture	<b>Honolulu Furniture Company</b>	X			HI	---	---	---	- Reused - Soy-based stains and finishes - 100% reclaimed materials - Reusable - Recyclable	---	Locally sourced materials and fabrication
<b>Kapee soh</b> Furniture collection	<b>So'mace</b>		X		HI	---	Low or no VOC stains and paints	---	Designed and made locally	---	---
<b>Kaypee Soh</b> Art and textiles collection	<b>So'mace</b>		X		HI and USA	---	Low VOC	None	Natural inks and dyes, made locally/USA, offer sustainable frames	Giclee prints maintain color over 100yrs	---
<b>Koa wood</b> Furniture & gifts	<b>Martin &amp; MacArthur</b>	X			Hawaii	---	---	---	- Rapidly renewable - Biobased - Responsibly harvested wood	---	- Furniture, accessories and gifts from Koa wood that is previously dead/fallen - A new tree is planted with each furniture purchase
<b>Koa wood</b> Gifts & items	<b>Kolo Mountain Wood Crafts</b>	X			Hawaii	---	---	---	Biobased	---	Assorted gifts and items, serving platters and bowls from locally harvested koa wood
<b>Lipper</b> Office organization products	<b>City Mill</b>	X			---	---	---	---	- Biobased - Rapidly renewable resource: bamboo	---	Home and Office organization products made from a renewable resource: bamboo
<b>Lipper</b> Home organization products	<b>City Mill</b>	X			---	---	---	---	- Biobased - Rapidly renewable resource: bamboo	---	Home and Office organization products made from a renewable resource: bamboo
<b>Mechoshades</b> Window shades	<b>Window World, Inc.</b>	X			Honolulu, HI	Cradle to Cradle (C2C) GREENGUARD	Zero VOC	---	- Energy efficient - Recyclable	10 / NA	---
<b>NATIONAL Arrowood Laminate Collection</b> Office furniture	<b>Office Max</b>	X			---	SCS Indoor Advantage ANSI/BIFMA	---	---	---	---	---
<b>Pretense</b> Decorative canopies	<b>Norton Industries Incorporated</b>		X		Lakewood, OH	---	---	---	Recyclable	1 / 10	---
<b>SAFCO Cava Collection</b> Office furniture	<b>Office Max</b>	X			---	GREENGUARD Indoor Air Quality ANSI/BIFMA	---	---	---	---	---
<b>SAFCO</b> Scoot Double-Sided, 6-Shelf Book Cart	<b>Office Max</b>	X			---	GREENGUARD Indoor Air Quality	---	---	---	---	---



<b>12 00 00 FURNISHINGS (cont.)</b>											
Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>SAFCO</b> Stacking Chairs	<b>Office Max</b>	X			---	GREENGUARD Indoor Air Quality ANSI/BIFMA	---	---	---	---	---
<b>SAFCO</b> Tubular Steel Wire Roll Files	<b>Office Max</b>	X			---	GREENGUARD Indoor Air Quality	---	---	---	---	---
<b>SAFCO</b> Wire Shelf Racks	<b>Office Max</b>	X			---	GREENGUARD Indoor Air Quality	---	---	---	---	---
<b>SAFCO</b> Multimedia Cart	<b>Office Max</b>	X			---	GREENGUARD Indoor Air Quality	---	---	---	---	---
<b>Selamat Designs</b> Furniture	<b>So'mace</b>		X		CA	---	Low	---	Some products contain reclaimed materials	---	Member of The Designers Accord, Sustainable Furnishings Council
<b>SKYCO</b> <b>ecoscreen</b> Fabric for window solar control	<b>PMB Consulting, Inc.</b>	X			---	---	---	PVC-free	Recycled materials	---	USGBC member
<b>SkyShield</b> Exterior louver blinds for solar control	<b>PMB Consulting, Inc.</b>	X			---	---	---	---	- Energy efficient - Solar powered option - Exterior solar control	---	USGBC member
<b>Structured Green</b> Furniture	<b>So'mace</b>		X		GA	FSC certified woods available	None	Finished with non-toxic, low- VOC finishes	Made from rapidly renewable, certified or reclaimed materials,	---	---
<b>Truly Renewable</b> Upholstered Lounge Seating	<b>Putter Furniture Transformations Furniture</b>		X		Harlan, IN	---	---	---	- Renewable - Reusable	35 / 35+	- Engineered to be easily reupholstered onsite - Damage and decor changes can be solved without filling landfills with furniture - Member of Northeast Indiana Sustainable Business Council
<b>Umbra</b> Trash can	<b>City Mill</b>	X			---	---	---	---	- Recycled content - Recyclable	---	Made of molded, recycled polypropylene
<b>Vertilux</b> Window shades	<b>Window World, Inc.</b>	X			Honolulu, HI	GREENGUARD	Zero VOC	---	- Energy efficient - Recyclable	10 / NA	---

**13 00 00 SPECIAL CONSTRUCTION**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>ChlorKing Sentry UV</b> UV pool filter	Island Pool and Spa Supply				---	---	---	---	Reduces the amount of chlorine needed in pools by as much as 50%	---	---
<b>ItelliFlo VF</b> Intelligent variable flow pump	Island Pool and Spa Supply				---	---	---	---	- Energy efficient: super-efficient permanent magnet motors reduces energy use by 30% compared to induction motors - Operates at an average of 1/10th a horsepower	---	The product carries a Eco Select logo: manufacture's mark for eco-friendly pool products
<b>Solar</b> Pool Heating Systems	Maui Solar Project LLC	X			---	---	---	---	- Energy efficient - Recyclable	15yrs / --	Affordable, easy to install, with efficient and quick payback

**14 00 00 CONVEYING EQUIPMENT**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Elevator</b>	Otis Elevator Company		X		Bloomington IN	---	---	---	- Energy efficient - Recyclable	1 / 25-30	---
<b>KONE</b> EcoSpace Machine room-less elevator	Kone		X		---	---	---	---	- Consumes approximately 1/2 the energy of conventional traction machines and about 1/3 of the energy of hydraulic machines - Its EcoDisc motor uses 60% less energy than conventional hydraulic units - 95% recyclable materials - No oil is required	1 / 25	LCA (Life Cycle Assessment) was done for the EcoSpace by a third party

## 22 00 00 PLUMBING

## LOOK FOR PRODUCTS WITH:

- Water efficiency and/or Water Sense Certification

For a full list of Water Sense certified products:

[http://www.epa.gov/WaterSense/product\\_search.html](http://www.epa.gov/WaterSense/product_search.html)

- Energy efficiency and/or ENERGY STAR Certification

For a full list of ENERGY STAR certified products:

[http://www.energystar.gov/index.cfm?c=products.pr\\_find\\_es\\_products](http://www.energystar.gov/index.cfm?c=products.pr_find_es_products)

- Recycled content

- Recyclability

## THIRD-PARTY CERTIFICATION PROGRAMS:



Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>PLUMBING FIXTURES: TOILETS, FAUCETS, SHOWERHEADS</b>											
<b>American Standard</b> Bathroom Faucet	Home Depot HPM		X		---	Water Sense	---	---	Water Efficient	Limited Lifetime / --	Meets American Disabilities Act Guidelines and ANSI A117.1 requirements for the physically challenged
<b>American Standard H2Option</b> Toilet	HPM		X		---	Water Sense	---	---	Water conserving, with 2 flushing options: low consumption: full flush (6.0 Lpf/1.6 gpf), partial flush (3.8 Lpf/1.0 gpf)	Limited / 5	---
<b>American Standard EcoFusion Dual-Flush</b> Toilet	Home Depot	X			---	Water Sense	---	---	Water conserving: uses 0.9 gallons-per-flush or 1.6 gallons-per-flush for significant water savings versus a 3.5-gallon toilet	2 / -	---
<b>American Standard FloWise</b> Toilet	HPM	X			---	Water Sense	---	---	Water conserving: meets definition for HET (High Efficiency Toilet) 1.28 gpf/4.8 Lpf; uses 20% less water	10 / --	---
<b>BioLet</b> Compost Toilet	Home Depot	X			---	Water Sense	---	---	---	3 (Parts) Lifetime (Body) / -	Reduces waste by approximately 90%, leaving behind nutrient rich, hygienically safe humus for disposal, making it environmentally safe to dispose of and safe to be contained until disposal
<b>Eco-Galaxy</b> Dual-Flush Toilet Tanks	City Mill		X		---	---	---	---	Water conserving: High Efficiency Toilet (HET); Dual-Flush: 1.1 gallon flush (liquid) or 1.6 gallon flush (solid)	Lifetime / --	Qualifies for LEED credits
<b>Glacier Bay High-Efficiency</b> Toilet	Home Depot	X			---	Water Sense	---	---	---	Lifetime / --	---
<b>KOHLER Forte</b> Bathroom Faucet	Home Depot	X			---	Water Sense	---	---	---	Lifetime / --	---
<b>KOHLER Cimarron</b> Toilet	Home Depot	X			---	Water Sense	---	---	---	1 / -	---

**22 00 00 PLUMBING: PLUMBING FIXTURES: TOILETS, FAUCETS, SHOWERHEADS (cont.)**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>KOHLER Archer</b> Lavatory Faucet	Home Depot	X			---	Water Sense	---	---	---	---	---
<b>Oasis Aqua Ponite</b> Sports bottle filler	AirRepsHawai'i Cool Solutions		X		---	NSF	---	Lead free	- High energy efficiency cooling tank and coil - Water conserving	---	---
<b>Oasis Green Filter</b> Water filter	AirRepsHawai'i Cool Solutions		X		---	---	---	---	- Re-usable, replaceable - Biodegradable	---	---
<b>Oasis Versacooler</b> Barrier-free water fountain	AirRepsHawai'i Cool Solutions		X		---	NSF	---	Lead free	- High energy efficiency cooling tank and coil - Water conserving	---	---
<b>Oxygenics</b> Shower Heads	City Mill	X			---	---	---	---	- Water conserving: saves up to 70% water and energy; uses 1.75 GPM - Energy efficient	---	---
<b>TOTO Aquia II</b> Toilet	Hawaii Home Expo  The Bathroom Store	X			Morrow, GA	Water Sense	---	- Chromium - PFCs - Phthalates - PVC	- Energy efficient - Water conserving - Recyclable	1 / 10	Dual Flush Toilet: 0.9 & 1.6 gpf
<b>TOTO Gooseneck Eco Power</b> Faucet	The Bathroom Store	X			Fairburn, GA	Water Sense	---	- PVC - Small amount of lead in circuit board	- Energy efficient - Water conserving - Recyclable	1 / 10	- Significant water savings - ADA Compliant
<b>TOTO Nexus High Efficiency</b> Showerhead	The Bathroom Store	X			Fairburn, GA	Water Sense	---	---	- Water conserving - Recyclable	1 / 10	Maximum flow rate of 1.75 GPM conserves water
<b>TOTO Soirée Widespread</b> Lavatory Faucet	The Bathroom Store	X			Fairburn, GA	Water Sense	---	---	- Water conserving: low-flow 1.5 gpm faucet (33% savings) - Recyclable	1 / 10	- ADA compliant - Complies with CA AB1953 and VT S152
<b>TOTO Ultramax II</b> Toilet	Hawaii Home Expo  The Bathroom Store	X			Morrow, GA	Water Sense	---	- Chromium - PFCs - Phthalates - PVC	- Energy efficient - Water conserving - Recyclable	1 / 10+	Packaging efficiency
<b>Waterless Co. Inc.</b> Waterless Urinals	JM Sales Hawaii LLC  Waterless Co Inc	X			Vista, CA	Water Sense	---	---	- Energy efficient - Water conserving: can save up to 45,000 gallons of water per year - Biobased: soy based plastic resins in HPC	3 / 10	- Qualifies for LEED credits: WE 2.0: Innovative Waste Water Technologies, WE 3.1: Water Use Reduction: 20% Reduction WE 3.2: Water Use Reduction: 30% Reduction - Meets the following standards: IAPMO and CSA (Canadian Standards)

**22 00 00 PLUMBING: PLUMBING FIXTURES: TOILETS, FAUCETS, SHOWERHEADS (cont.)**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Waterpik EcoFlow 5-Spray</b> Hand Shower	Home Depot	X			---	Water Sense	---	---	---	Lifetime / --	---
<b>Zurn EcoVantage Hydro Generator</b> Faucets	Pacific Rim Partners, LLC		X		---	Water Sense	---	---	- Water conserving: 0.5 low consumption aerator - Energy efficient: self-generating power device - Durable: replaceable rechargeable battery	3 / --	Qualifies for LEED credits
<b>Zurn EcoVantage Pint Urinal Systems</b> Ultra low-flow urinals	Pacific Rim Partners, LLC	X			---	Water Sense	---	---	Water conserving: 88% water savings over conventional 1.0gpf urinal. Can save up to 30,000 gallons of water per year	5 / --	- Can save about \$200 in operating costs per year - GreenSpec listed product
<b>Zurn EcoVantage Toilets Systems</b> 1.28 gpf HET High Efficient Toilets	Pacific Rim Partners, LLC	X			---	WaterSense	---	---	Flush Valve and Tank Type Toilets, using 1.28 gpf a 20% water savings over conventional 1.6 gpf toilets	5 / --	- Qualifies for LEED credits - GreenSpec listed product
<b>Zurn EcoVantage</b> Dual flush control valve	Pacific Rim Partners, LLC	X			---	Water Sense	---	---	Water conserving: can save 40% more water than other 1.6 gallon single function system	10 / --	- Qualifies for LEED credits - GreenSpec listed product
<b>Zurn E-Z Sensor</b> Faucets	Pacific Rim Partners, LLC	X			---	---	---	---	Water conserving	---	---
<b>Zurn Hydrogen</b> Flush Valves	Pacific Rim Partners, LLC		X		---	Water Sense	---	---	Self-Generating Power, 10+-Year Battery Life, 4.0 Sensor Technology	5 / --	- Qualifies for LEED credits - GreenSpec listed product
<b>Zurn Water Saving</b> Shower Heads	Pacific Rim Partners, LLC		X		---	Water Sense	---	---	Water conserving: 1.25, 1.50 and 1.75 gpm low flow shower heads	5 / --	- Qualifies for LEED credits - GreenSpec listed product
<b>PLUMBING EQUIPMENT: WATER HEATERS AND SOFTENERS</b>											
<b>Bosch</b> Tankless water heater	Lowes	X			---	ENERGY STAR	---	---	- Energy efficient - Water conserving	12: heat exchanger, 2: parts / --	
<b>Bradford White</b> Water Heaters eF Series	Ferguson				---	---	---	---	- Energy efficient: thermal efficiency ratings up to 99.1% - Enhanced IEQ: quiet operation	---	---
<b>GE Geospring Hybrid</b> Water Heater	Home Depot		X		---	ENERGY STAR	---	---	- Energy efficient: reduces water heating expenses up to 62% compared to a conventional 50-gallon tank water heater - Saves approximately \$320 per year - \$320 in operating costs over a 10 year period	---	- Federal tax credit of 30% on the purchase and installation price - Uses existing water and electrical connections

**22 00 00 PLUMBING: WATER HEATERS AND SOFTENERS (cont.)**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Stiebel Eltron</b> Tankless water heater	<b>Grainger</b> <b>JM Sales Hawaii LLC</b>	X			Germany	---	---	---	- Energy efficient - Water conserving	3 / --	---
<b>Rheem EcoSense On Demand</b> Tankless Gas Water Heater	<b>Home Depot</b>	X			---	ENERGY STAR	---	---	- Energy efficient - Water conserving	5 (Parts) 1 (Labor) / -	---
<b>Hydro2Plus</b> Salt-free water softener with purification system	<b>AquaMaker-Hawaii</b>		X		Houston, TX	NSF	Zero VOC	PVC	- Rapidly renewable - Reused - Water conserving - Biodegradable - Reusable - Recyclable - Biobased: filters made from zeolite (modified lava rock), and carbon from 100% purified coconut shell	2 / 20+	- Provides sanitary drinking water - Electronically charged water removes existing sediment from pipes allowing for better water pressure - Eliminates downstream runoff of chemicals and salts - Eliminates bacterial pathogens in water - Improves air quality by removing toxins in water - Qualifies for LEED credits
<b>PLUMBING ACCESSORIES, COMPONENTS, PIPE</b>											
<b>Cast Iron</b> Plumbing components	<b>Charlotte Pipe and Foundry Company, Central Supply</b>	X			Charlotte, NC	NSF	Zero VOC	Lead	- 100% post-consumer content - Recyclable	5 / 100+	- Cast iron is a rigid material that does not depend on sidefill for support which results in less site disturbance, soil erosion, waterway sedimentation and airborne dust generation - Products meet CISPI standard (Cast Iron Soil Pipe Institute)
<b>Certainteed Form-A-Drain</b> Drainage system	<b>HPM</b>		X		USA	---	---	Does not emit harmful chemicals	- 92% Recycled content - Lineals are made from 100% recycled PVC	10 / --	- USGBC member - Has an environmental management system
<b>EverPrime</b> Floor drain odor sealant	<b>Waterless Co Inc</b>	X			Vista, CA	---	Zero VOC	---	- Water conserving - Biodegradable	3 / 5	- Saves water - Helps IAQ - Prevents bacteria/viruses from coming out of floor drains
<b>Fluidmaster</b> Leak Sentry Toilet Fill Valve	<b>City Mill</b> <b>Grainger</b>	X			Mexico	---	---	---	Water conserving	5 / --	Detects leaks and controlled bowl refill
<b>Hydroclean</b> Anti-Siphon Toilet Fill Valve	<b>City Mill</b> <b>Grainger</b>	X			China	---	---	---	Water conserving	5 / --	Detects leaks and controlled bowl refill
<b>Hydroright</b> Dual-Flush Conversion Kit	<b>City Mill</b> <b>Grainger</b>	X			China	---	---	---	- Water conserving: converts any size toilet to <a href="#">Dual-Flush</a> system to save water; quick flush can save up to 70% water - Energy efficient	5 / --	---

**22 00 00 PLUMBING: PLUMBING ACCESSORIES, COMPONENTS, PIPE (cont.)**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Rainwater Hog</b> Water Catchment	<b>Green Builders Depot</b>	X			Madera, CA	---	Zero VOC	---	Recyclable	20 / 20	- Made with food grade plastic: complies with FDA and HPB standards for food contact - Rotomoded in virgin polyethylene. 100% recyclable and designed to last a lifetime
<b>RePVC</b> PVC DWV pipe	<b>Charlotte Pipe and Foundry Company, Central Supply</b>		X		Monroe, NC	NSF	Zero VOC	PVC	- Minimum 30% post-industrial content - Recyclable	5 / 50+	---
<b>ReUze</b> CPVC Piping System	<b>Charlotte Pipe and Foundry Company, Central Supply</b>		X		Monroe, NC	NSF	Zero VOC	PVC	- Water conserving - Recyclable	10 / 50+	---
<b>TOTO EcoPower High Efficiency</b> Toilet Flushometer Valve	<b>The Bathroom Store</b>	X			Fairburn, GA	ENERGY STAR Water Sense	---	---	- Energy efficient - Water conserving: saves 20% more water than standard 1.6 GPF valves and 63% over traditional 3.5 GPF flush valves - Recyclable	3 / 10+	---
<b>TOTO EcoPower High Efficiency</b> Urinal Flushometer Valve	<b>The Bathroom Store</b>	X			Fairburn, GA	Water Sense	---	Very small trace amounts of: lead, arsenic, chromium, mercury	- Energy efficient - Water conserving: low water consumption: 1.0 Gpf or less - Recyclable	3 / 10	---
<b>TOTO Wi-Touch DC Powered</b> Wireless Faucet Controller	<b>The Bathroom Store</b>		X		Fairburn, GA	ENERGY STAR Water Sense	---	---	- Energy efficient - Water conserving - Recyclable	1 / 10	Battery-powered wireless faucet controller



## 23 00 00 HEATING VENTILATION AND AIR CONDITIONING (HVAC)

## LOOK FOR PRODUCTS WITH:

- Energy efficiency and/or ENERGY STAR Certification
- For a full list of ENERGY STAR certified products:  
[http://www.energystar.gov/index.cfm?c=products.pr\\_find\\_es\\_products](http://www.energystar.gov/index.cfm?c=products.pr_find_es_products)
- Uses renewable energy
- Reclaimed, reused, or recycled materials
- Recyclability

## THIRD-PARTY CERTIFICATION PROGRAMS:



NSF Certified  
www.nsf.org



Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Apricus Solar Thermal Collector</b> Evacuated tube solar thermal collectors: water heating and HVAC applications	Lumen Solar LLC	X			Nanjing China	NSF Solar Keymark	---	---	- Energy efficient - Recyclable - Rapidly renewable	10-15 / 25	- Environmentally responsible corporate practices: uses recycled/recyclable materials, minimal paper policy - Technology is intended to offset electrical energy usage with solar power - Meets the following standards: SRCC and IAPMO
<b>AquaMaker</b> Water generator	AquaMaker-Hawaii	X			Houston, TX	NSF	---	---	- Energy efficient - Rapidly renewable - Reused - Water conserving - Biodegradable - Reusable - Recyclable	1-3 / 10+	- Does not release toxic chemicals into the environment - Provides sanitary drinking water - Eliminates plastic bottle usage - Reduces water reservoir usage - Improves air quality - Provides emergency water supply
<b>Attic Breeze Zephyr and Grande™ Series</b> Solar powered attic fans	Skylights of Hawaii, LLC		X		Texas	---	---	---	Energy efficient: 25 watt fan rated for 1550 CFM of maximum air flow	Lifetime / Lifetime	- 30% State and 35% Federal tax credit - Can ventilate an attic space of up to 2300 sqft per unit
<b>Casablanca Fan Co.</b> Ceiling Fans	Discount Lighting & Fans	X			Memphis, TN	ENERGY STAR	---	---	- Energy efficient - Recyclable	Lifetime / --	Energy efficient air movement ceiling fans
<b>Fanimation</b> Ceiling Fans	Discount Lighting & Fans	X			IN	ENERGY STAR	---	Lead, mercury	- Energy efficient - Recyclable	Lifetime: motor / 10+	Reduces energy consumption by Apprx. 60% when compared with other ceiling fans
<b>Friedrich</b> Room air conditioner	A.C. Warehouse, Inc.	X			North America	ENERGY STAR	---	---	Energy efficient	1 parts, 5 compressor / 5	Environmentally-friendly R-410A refrigerant
<b>Frigidaire</b> Air Conditioners	City Mill	X			USA and Canada	ENERGY STAR	---	---	Energy efficient	5: system, 1: parts, labor / --	Environmentally-friendly R-410A refrigerant
<b>Hampton Bay</b> Indoor Ceiling Fan	Home Depot	X			---	ENERGY STAR	---	---	Energy efficient	Lifetime (motor) / --	---

## 23 00 00 HEATING VENTILATION AND AIR CONDITIONING (HVAC) (cont.)

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Hunter</b> Ceiling fans	City Mill	X			---	ENERGY STAR	---	---	Energy efficient	lifetime / --	- Comes with CFL lamp and fixture - Can save up to 47% on cooling costs
<b>Litex</b> Ceiling fans	City Mill	X			USA	ENERGY STAR	---	---	Energy efficient	---	Energy efficient air movement ceiling fans
<b>Kichler DC</b> Ceiling fans	Discount Lighting & Fans	X			Cleveland, OH	ENERGY STAR	---	---	Energy efficient	1 / 2-5	Replace older ceiling fans for energy savings up to 60%
<b>Mitsubishi Electric</b> Air Conditioning	A.C. WAREHOUSE, INC. D&D Air Conditioning-Refrigeration, LLC	X			Lawrenceville, GA	ENERGY STAR EPA	---	---	- Energy efficient - Recyclable	7 / 15	Inverter compressor and motors are energy efficient
<b>Nailor Industries</b> Engineered Comfort Fan coil units	HVAC Hawaii, LLC		X		Houston, TX	---	---	---	Energy efficient	15-20 / --	---
<b>Panasonic Whisper Green</b> Ventilation Fan	The Bathroom Store		X		Roselle, IL	ENERGY STAR	---	---	- Energy efficient - Recyclable	3 / 10	50 CFM Ceiling Mounted Ventilation Fan with DC Motor
<b>Quiet Cool</b> Whole House Fans	Island Cooling LLC	X			Murieta, CA	CEC (energy efficient device)	---	---	- Energy efficient - Recyclable	10 / 30	Draws hot air out of home, lowers temperature of living space
<b>Solaro Aire</b> Solar-powered attic ventilation kits	Solaro Energy Inc.	X			Lake Elsinore, CA	---	---	---	- Energy efficient - Rapidly renewable - Reusable - Recyclable	10 years to lifetime / 30	- 100% solar powered - Decreases attic heat, reducing cooling energy cost - Removes moisture that can promote mold and mildew by circulating air
<b>Solatube Solar</b> Attic Fans	Hawaii Skylights and Solar Fans Division X, Inc	X			Vista, CA	ENERGY STAR	---	---	- Energy efficient - Recyclable	10 / 30	- Solar attic fans cool homes & business - Qualifies for 30% Federal Tax Credit
<b>Steril-Aire</b> UVC Emitter HVAC system cleaner	AirRepsHawai'i Cool Solutions		X		---	---	---	Chemicals-free	Energy efficient: germicidal UVC light continuously cleans of mold and organic build-up bringing HVAC system back to peak efficiency	---	Enhances IAQ and occupant health by eradicating both surface and airborne micro-organisms

## 23 00 00 HEATING VENTILATION AND AIR CONDITIONING (HVAC) (cont.)

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>SunEarth Solar Collectors</b> Solar Water Heating Equipment	<b>Hawaiian Island Solar</b>	X			Honolulu, HI	---	---	---	- Energy efficient - Recyclable	10 / 30	Reduces Hawaii's dependence on imported oil
<b>SunRise Solar</b> Solar Fan	<b>Solaris Art</b>	X			St. John, IN	---	---	PVC	- Energy efficient - Reusable - Recyclable	5 parts and service Motor, 10 solar panel housing / 20+	- Reduces heat and mold through circulating air - Solar energy source
<b>Tower Tech</b> Cooling Towers	<b>HVAC Hawaii, LLC</b>		X		Oklahoma City, OK	---	---	---	- Energy efficient - Water conserving	15 / 35-50	---
<b>Triangle Brand</b> Whole House Fan	<b>Island Cooling LLC</b>	X			Jacksonville, AR	---	---	---	- Energy efficient - Recyclable	10 / 30	Draws hot air out of home, lowers temperature of living space
<b>U.S. Sunlight Corp.</b> Solar Attic Fan	<b>Maui Solar Project LLC</b>		X		USA	---	---	---	- Energy efficiency: provides up to 25% more power than other fans - Reduces attic temperature, reducing HVAC load	10 / --	- Prevents mold and mildew in the winter - Qualifies for 30% tax credit
<b>U.S. Sunlight Corp. SunFan</b> Solar Powered All Purpose Ventilator	<b>Maui Solar Project LLC</b>		X		USA	---	---	---	- Energy efficiency: provides up to 25% more power than other fans - Reduces attic temperature, reducing HVAC load	10 / --	- Requires no cutting of your roof or tiles - Easy do-it-yourself installation - Qualifies for 30% tax credit
<b>WT 888</b> Chilled Loop Conditioner	<b>Certified Laboratories</b>	X			USA	---	Zero VOC	---	- Energy efficient - Water-based - Biodegradable	-- / 20	Prevents rust, corrosion in chilled loop lines for HVAC
<b>Westinghouse</b> Ceiling fans	<b>HPM</b>	X			---	ENERGY STAR	---	---	Energy efficient	---	ENERGY STAR partner
<b>Whirlpool EcoCentral Living Systems</b> Heating and cooling systems	<b>HPM</b>		X		---	---	---	Chlorine-free refrigerants	- High-efficiency compressors and heat exchangers that consume less energy - Filters improve IAQ	---	- ENERGY STAR partner - Chlorine-free refrigerants that don't deplete the ozone

**26 00 00 ELECTRICAL****LOOK FOR PRODUCTS WITH:**

- Energy efficiency and/or ENERGY STAR Certification
- For a full list of ENERGY STAR certified products:  
[http://www.energystar.gov/index.cfm?c=products.pr\\_find\\_es\\_products](http://www.energystar.gov/index.cfm?c=products.pr_find_es_products)
- Uses renewable energy
- Lead and Mercury free light bulbs
- Electronic controls that help monitor and conserve energy usage

**THIRD-PARTY CERTIFICATION PROGRAMS:**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>ELECTRICAL SYSTEMS AND ACCESSORIES</b>											
<b>Axis Technologies</b> Eco-lite Harvester Dimming ballast	Eco-Lite		X		China	ENERGY STAR	---	---	Energy efficient	5 / 50,000 hrs	Can reduce energy costs by 30%
<b>Heath Zenith</b> Motion-Sensing Security Light	Home Depot	X			---	ENERGY STAR	---	---	Energy efficient	- / 20,000 hrs	Saves energy by activating when
<b>LaMar Lighting</b> Occu-Smart Stairwell lighting sensor	Eco-Lite		X		NY	---	---	---	Energy efficient: provides 85% energy savings	---	Qualifies for LEED Credit 6.1: Controllability of Systems
<b>Lutron</b> Maestro Occupancy Sensor	Home Depot	X			---	---	---	---	Energy efficient	1 / -	Automatically turns off lights in a vacated room to save energy
<b>Lutron Skylark</b> eco-dim Light Dimmer	Home Depot City Mill	X			---	---	---	---	Energy efficient	1 / -	- Saves at least 35% energy over non-controlled lamp - Bulbs last at least 4X longer
<b>Noveda SmartEn</b> Energy Monitoring System	Green Builders Depot		X		NJ	---	---	---	Energy efficient	---	- Monitors energy consumption, helping consumers become more energy efficient - Allows consumers to control individual plugs
<b>Solaro Day</b> Solar-powered daylighting kits	Solaro Energy Inc.	X			Lake Elsinore, CA	---	---	---	- Energy efficient - Rapidly renewable - Reusable - Recyclable	10 - 25 years; limited lifetime / 30	- Solar-powered natural color light, like a skylight, without structural limitations - Reduces air conditioning costs compared to heat producing incandescent lighting

## 26 00 00 ELECTRICAL

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>LIGHTING</b>											
<b>Access Lighting</b> Lighting fixtures	<b>Discount Lighting &amp; Fans</b>	X			Tustin CA	ENERGY STAR	---	---	- Reusable - Recyclable - Energy Efficient	1 / 5+	Energy-reducing lighting options available
<b>American Fluorescent CFLs and Linear Fluorescent Lamping</b> Lighting	<b>Discount Lighting &amp; Fans</b>	X			USA	ENERGY STAR products available	---	Mercury, Neon and Inert Gases	Energy efficient	---	More energy efficient and longer lasting than incandescent bulbs
<b>Aviation &amp; Marine Solar Lanterns</b> Solar lighting for airfields, marinas, buoys, docks	<b>Goldwings Supply Service, Inc.</b>		X		Houston, TX	---	Zero VOC	AGM sealed lead acid batteries	Energy efficient	1 yr battery, 3 yr product / 10	- Low light pollution - Complies with the following standards for safety, quality and non-obstruction of aviation taxiway: <a href="#">CSA</a> , <a href="#">CE</a> , <a href="#">FCC</a> , <a href="#">ICAO</a> , <a href="#">FAA</a> , <a href="#">NEMA 250</a> , <a href="#">IEC 60529 (IP)</a> Military Environmental Testing Explosive Atmosphere MIL-STD-810G, METHOD 511.3
<b>BetaLED LEDway</b> Streetlights	<b>AL&amp;E</b>		X		---	---	---	Mercury-free	- Energy efficient - 20-25% post-consumer recycled content (aluminum castings and extrusions) - 70% of aluminum castings and extrusions are readily recyclable - Durable, therefore diverts waste from landfill	---	- Controls light pollution: International Dark Sky Association guidelines compliant - RoHS compliant - Corrugated packaging is 100% recyclable
<b>Carmanah General Illumination Solar Lights</b> Solar lighting for parking, security	<b>Goldwings Supply Service, Inc.</b>		X		Houston, TX	---	Zero VOC	AGM sealed lead acid batteries	Energy efficient	1 yr battery, 3 yr product / 10	- Low light pollution - Complies with the following standards for safety, quality and non-obstruction of aviation taxiway: <a href="#">CSA</a> , <a href="#">CE</a> , <a href="#">FCC</a> , <a href="#">ICAO</a> , <a href="#">FAA</a> , <a href="#">NEMA 250</a> , <a href="#">IEC 60529 (IP)</a> Military Environmental Testing Explosive Atmosphere MIL-STD-810G, METHOD 511.3
<b>Designers Edge</b> Solar shed lights	<b>City Mill</b>	X			Seattle, WA	---	---	---	- Renewable energy - Energy efficient LED lamps	100,000 hour LED lamp / --	Uses solar power stored in rechargeable batteries to illuminate enclosed spaces
<b>EcoFit LED street lights</b> Retrofit street light	<b>Eco-Lite</b>		X		USA	ENERGY STAR	---	Mercury-free	Energy efficient	5: lamp, 10: housing / 80,000 hrs	Dark Sky Association approved: does not contribute to night-time light pollution
<b>EcoSmart</b> CFL Light Bulbs	<b>Home Depot</b>	X			---	ENERGY STAR	---	Mercury	Energy efficient	9 / 10,000 hrs	Last up to 13 times longer and use 75% less energy than equivalent 100-watt incandescent bulbs

## 26 00 00 ELECTRICAL: LIGHTING (cont.)

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Electro Elf</b> Outdoor and landscape lighting	<b>Eco-Lite</b>		X		TN	---	---	Mercury	Energy efficient	-- / 10,000 hrs	- Sealed against moisture: designed for coastal use - Uses energy-efficient CFLs and ballasts
<b>Feit</b> CFL Light Bulbs	<b>City Mill</b>	X			USA or China	ENERGY STAR	---	---	Energy efficient	-- / 8-10 yrs	Uses 75% less energy than incandescent bulbs
<b>Feit</b> LED Light Bulbs	<b>City Mill</b>	X			USA or China	RoHS (some models)	---	Mercury-free	Energy efficient	-- / 20 yrs	Up to 90% more energy efficient than incandescent bulbs
<b>GE</b> <b>Energy Smart</b> CFL Spiral Light Bulbs	<b>Office Max</b>	X			---	ENERGY STAR	---	Mercury	Energy efficient	---	Up to 75% less energy usage than incandescent bulbs and lasts 10 times longer
<b>GridSmart</b> Solar street lights	<b>Maui Solar Project LLC</b>	X			USA	---	---	---	- Energy efficient - Renewable energy source: provides an alternative to fossil fuel usage	15 / --	- Qualifies for solar tax credits and lighting rebates all in one project - Qualifies for LEED credits - Ideal for: parking lots, streets, highways, schools, parks and recreation, gas stations, airport - Utilizes existing wiring and ties to grid, no batteries, no maintenance
<b>Hampton Bay</b> Outdoor Solar Lights	<b>Home Depot</b>	X			---	ENERGY STAR	---	---	Energy efficient	2 / -	Powered by solar, a renewable energy resource
<b>Home Brite</b> Solar Powered Stepping Stone	<b>Home Depot</b>	X			Industry, CA	---	---	---	Energy efficient	---	Powered by solar, a renewable energy resource
<b>Kichler Lighting</b> LED Undercab Lighting	<b>Discount Lighting &amp; Fans</b>	X			Cleveland, OH	ENERGY STAR	Zero VOC	---	- Recyclable - Energy efficient	1 / 2-3	Reduces need for high wattage lighting, reducing energy consumption by up to 90%
<b>LED Energy Efficient</b> Lighting (Multiple brands)	<b>Discount Lighting &amp; Fans</b>	X			USA	---	---	Lead and mercury- free	Energy efficient	3 / 5-7	Uses 80% less energy and creates less heat than incandescent bulbs
<b>Lithonia Lighting</b> LED & Fluorescent Lighting lamps	<b>Discount Lighting &amp; Fans</b>	X			Conyers, GA	ENERGY STAR	---	---	- Recyclable - Landfill disposal - Energy efficient	1 / 5	Uses significantly less energy and last longer than incandescent or halogen lamps
<b>Lithonia Saturn</b> Ceiling Lighting Fixture	<b>Home Depot</b>	X			USA	ENERGY STAR	---	---	Energy efficient	---	---
<b>Lumatech</b> <b>Reflect-A-Star</b> CFL recessed lighting	<b>Eco-Lite</b>		X		---	ENERGY STAR	---	---	Energy efficient	---	---

## 26 00 00 ELECTRICAL: LIGHTING (cont.)

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Magnaray</b> ecurity and landscape lighting CFL parabolic reflectors	Eco-Lite		X		---	---	---	---	Energy efficient	5 / 25	Product technology provides energy savings of around 70%, with maintenance costs reduced by at least 50%
<b>Northern International</b> Solar landscape lighting	City Mill	X			China	---	---	---	- Renewable energy source - Energy efficient: LED bulb for longer life	---	Uses renewable energy from the sun to illuminate landscape, lowering energy costs
<b>Philips</b> LED Light Bulbs	Home Depot	X			NJ	ENERGY STAR	---	Lead and mercury- free	Energy efficient	6 / 40,000 hrs	Saves up to 80% energy compared to industry standard equivalents
<b>Powerlux</b> Induction lighting	Eco-Lite		X		---	---	---	---	Energy efficient	---	Uses significantly less energy and last longer than incandescent or halogen lamps
<b>Progress Lighting</b> Ceiling fans with light	HPM	X			USA	ENERGY STAR	---	---	Energy efficient	---	Environmentally responsible corporate practices: LEED certified headquarters building
<b>Progress Lighting</b> Exit signs	HPM		X		USA	ENERGY STAR	---	---	Energy efficient	---	Environmentally responsible corporate practices: LEED certified headquarters building
<b>Progress Lighting</b> Indoor lighting fixtures	Discount Lighting & Fans HPM	X			USA	ENERGY STAR	---	---	Energy efficient	---	Environmentally responsible corporate practices: LEED certified headquarters building
<b>Progress Lighting</b> Outdoor lighting fixtures	Discount Lighting & Fans HPM	X			USA	ENERGY STAR	---	---	Energy efficient	---	Environmentally responsible corporate practices: LEED certified headquarters building
<b>Rentalite LED</b> Parking garage lighting	Eco-Lite		X		Netherlands and USA	---	---	Lead and mercury- free	Energy efficient	6 / 80,000 hrs	Uses significantly less energy and last longer than incandescent or halogen lamps
<b>Reviere</b> Solar Lantern	Home Depot	X			---	ENERGY STAR	---	---	Energy efficient	---	Powered by solar, a renewable energy resource
<b>Sylvania</b> Lighting timers	City Mill	X			USA and Canada	---	---	---	Promotes energy conservation	1 / --	Manages power to operate at hours when required
<b>Synergy</b> LED parking lot fixture	Eco-Lite		X		USA	ENERGY STAR	---	Lead and mercury- free	Energy efficient	---	Light efficiency is over 70%
<b>WAC Lighting</b> Lighting fixtures	Discount Lighting & Fans	X			USA	ENERGY STAR	Zero VOC	---	- Recyclable - Energy efficient	2 / 5+	Energy-reducing lighting options available



**26 00 00 ELECTRICAL: LIGHTING (cont.)**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Wattman</b> LED exit and stairwell signage	Eco-Lite		X		---	---	---	Lead and mercury- free	Energy efficient	---	- Decrease electric costs by up to 90% - Reduced maintenance costs
<b>WattStopper</b> Smart lighting control	Pacific Electrical Sales Agency, Inc.				Santa Clara, CA				Energy efficient: savings of 15-30% in individual offices, up to 40% in conference rooms, 50-70% in restrooms, up to 40% in lunch/break rooms, 20-30% in utility/storage rooms, 20-40% in exterior lighting		- Controls significantly and affordably reduce CO2 emissions and can help slow global warming - ASHRAE 90.1, IECC, CA title 24 compliant - USGBC member - ENERGY STAR partner
<b>Westinghouse LED</b> Light bulbs	HPM	X			USA	ENERGY STAR	---	Lead and mercury- free	- Recyclable - Energy efficient	-- / 50,000 hour lamp life	Can save up to 90% energy compared to similar lumen incandescent lamps
<b>Westinghouse</b> Lighting fixtures: indoor	HPM	X			USA	ENERGY STAR	---	---	Energy efficient	---	ENERGY STAR partner
<b>Westinghouse</b> Lighting fixtures: outdoor	HPM	X			USA	ENERGY STAR	---	---	Energy efficient	---	ENERGY STAR partner

**31 00 00 EARTHWORK**

**LOOK FOR PRODUCTS WITH:**  
- No toxic chemical usage

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Termimesh</b> Pest control	Termimesh Hawaii, Inc.	X			Honolulu, HI	---	---	---	Recyclable	10 / --	Eliminate the use of chemical pesticides
<b>Polesock</b> Termite barrier	Termimesh Hawaii, Inc.	X			Honolulu, HI	---	---	---	Recyclable	5 / --	- Termite barrier for wooden poles/ wooden utility poles - Eliminates pesticide use

**32 00 00 EXTERIOR IMPROVEMENTS****LOOK FOR PRODUCTS WITH:**

- Biobased and Organic landscaping materials with OMRI Certification
- Energy efficiency and/or ENERGY STAR Certification
- For a full list of ENERGY STAR certified products:  
[http://www.energystar.gov/index.cfm?c=products.pr\\_find\\_es\\_products](http://www.energystar.gov/index.cfm?c=products.pr_find_es_products)
- Rapidly renewable materials
- Reclaimed, Reused, or Recycled content
- Biodegradability and/or Recyclability
- Water efficiency

**THIRD-PARTY CERTIFICATION PROGRAMS:**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>LANDSCAPING PRODUCTS AND MAINTENANCE</b>											
<b>American Plastic Lumber</b> Park & Recreation Products	<b>American Plastic Lumber, Inc</b>		X		Shingle Springs, CA	---	---	---	- Rapidly renewable - Reused - 95-100% recycled, +/- 65% post consumer, 35% Post industrial - Reusable - Recyclable	20-50 / 20-50	- Non-toxic during manufacturing and in the environment - Durable
<b>Aquapave Permeable On Site Stormwater Source Control System</b> Permeable Interlocking Concrete Paver System	<b>Futura Stone of Hawaii</b>		X		Abbotsford, BC Canada	---	Zero VOC	---	- Energy efficient - Water conserving - Recyclable	Lifetime / 40+	- Eliminates stormwater surface runoff - Improves water quality by filtering and treatment of pollutants - Recharges groundwater - Qualifies for LEED credits - Geothermal system available
<b>DOWN TO EARTH</b> All Natural Potting Soil	<b>Waikiki Worms Co.</b>	X			Eugene, OR	---	---	---	Biobased	---	Made with composted bark, coconut coir fiber, and worm compost base
<b>DOWN TO EARTH</b> Bio-Turf 8-3-5	<b>Waikiki Worms Co.</b>	X			Eugene, OR	OMRI	---	---	---	---	Packaged with 100% recycled boxes printed with soy ink
<b>DOWN TO EARTH</b> Coconut Coir Fiber	<b>Waikiki Worms Co.</b>	X			Eugene, OR (originally from Sri Lanka)	OMRI	---	---	- Rapidly renewable - Biodegradable - Biobased	---	- Naturally weed and pathogen free - Approved by the California Department of Food and Agriculture: feed, fertilizer, livestock drugs, and egg regulatory for trace metals analysis
<b>DOWN TO EARTH</b> Hawaiian Blend Granular Root Enhancer	<b>Waikiki Worms Co.</b>	X			Eugene, OR	---	---	---	Biobased	---	Formulated specially for Hawaiian soils to benefit a diverse selection of plants, trees, and shrubs

**32 00 00 EXTERIOR IMPROVEMENTS: LANDSCAPING PRODUCTS AND MAINTENANCE (cont.)**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Filtrexx</b> mesh containment system for sediment control or BMP	<b>GP Roadway Solutions</b>	X			Honolulu, HI	---	Zero VOC	---	- Rapidly renewable - Reused - Biodegradable - Reusable	NA / 1-2	- Inlet pollution protection perimeter and sediment control ideal BMP - Inspected by National Pollutant Discharge Elimination System (NPDES)
<b>GreenBed</b> Raised bed Garden Kit	<b>ShelterWorks Ltd.</b>		X		Philomath, OR	---	Zero VOC	---	- Biodegradable - Recyclable	-- / 20-30	Wood fiber from recycled pallet wood
<b>Green Lava Brand</b> Premium Hydraulic Mulch	<b>Island Shell LLC. dba Environmental Manufacturing</b>	X			Aiea, HI	---	---	---	- Biobased - Recycled groundwood paper fiber based - 100% post-consumer recycled content - Biodegradable	---	- Made in Hawaii reduces ocean transport costs - Over half fiber content derived from phone books, reducing landfilled material - Multi use product: for erosion and dust control, seeding and germination
<b>Island Supreme</b> Chicken Manure Organic	<b>City Mill</b>	X			---	---	---	---	Biobased	---	- Organic chicken manure - Composed of pellets which limits dust particles
<b>MONTEREY Sluggo</b> Slug and snail bait	<b>Waikiki Worms Co.</b>	X			Eugene, OR	OMRI	---	---	---	---	- Can be used around pets and wildlife - Registered material by the Washington State DOA for use in organic agriculture
<b>OHRSTORM'S MAXICROP Liquid Seaweed</b> Natural fertilizer	<b>Waikiki Worms Co.</b>	X			Eugene, OR (seaweed from Norway)	---	---	---	Biobased	---	Approved by the CA Department of Food and Agriculture Feed, Fertilizer, Livestock Drugs, and Egg Regulatory for trace metals analysis
<b>Rain Perfect Solar Powered</b> Rain Barrel Pump System	<b>Green Builders Depot</b>	X			MA	---	---	---	Solar powered	Limited / 1	Pump is run with renewable solar power, reducing dependence on imported fuel
<b>Recycled Rubber</b> Soaker Hose	<b>Home Depot</b>	X			USA	---	---	---	65% Recycled Content	7 / -	Drip irrigation conserves water compared to other watering methods
<b>Scotts Push Reel</b> Lawn Mower	<b>Home Depot</b>	X			USA	---	---	---	---	2 /--	Uses no gas or oil, and therefore cause no air or noise pollution
<b>Miracle Grow</b> Organic plant care products	<b>City Mill</b>	X			---	---	---	---	Biobased	---	100% organic content

**32 00 00 EXTERIOR IMPROVEMENTS: PAVING AND SAFETY PRODUCTS**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>GNR Technologies</b> Parking lot safety products	<b>GP Roadway Solutions</b>	X			Montreal, Quebec Canada	---	---	---	- Energy efficient - 100% recycled rubber from tires - Reused - Recyclable	2 / 4-5	Compound made from recycled rubber from tires
<b>Grasspave2</b> Porous paving	<b>Exacta Sales, Inc.</b>	X			Golden, CO	---	Zero VOC	---	Recyclable	5 / 45-60	Reduces heat island effect
<b>Gravelpave2</b> Porous paving	<b>Exacta Sales, Inc.</b>	X			Golden, CO	---	Zero VOC	---	Recyclable	5 / 45-60	Reduces heat island effect
<b>Green Mix Hawaii</b> Foamed asphalt	<b>Alakona Corp.</b>		X		Kapolei, HI	---	Zero VOC	Asphalt	- Energy efficient - Reused - 90% reclaimed asphalt pavement - Reusable - Recyclable	---	Qualifies for LEED credits: Materials & Resources -diversion from Landfill Resources reuse Recycled Content Use of Regional Material Innovation & Design
<b>Orion Solar Bollard</b> Bollard for marker lighting	<b>Goldwings Supply Service, Inc.</b>	X			Houston, TX	RoHS	---	Batteries are AGM sealed lead acid	- Energy efficient - Rapidly renewable - Solar powered - Recyclable	1 yr battery, 3 yr product, 10 yr bollard / 10	- Low light pollution - Complies with the following standards for safety, quality and non-obstruction of aviation taxiway: <a href="#">CSA</a> , <a href="#">CE</a> , <a href="#">FCC</a> , <a href="#">ICAO</a> , <a href="#">FAA</a> , <a href="#">NEMA 250</a> , <a href="#">IEC 60529 (IP)</a> Military Environmental Testing Explosive Atmosphere MIL-STD-810G, METHOD 511.3

## 46 00 00 WATER &amp; WASTEWATER EQUIPMENT

## LOOK FOR PRODUCTS WITH:

- Energy efficiency
- Water efficiency
- Biodegradability and/or Recyclability

## THIRD-PARTY CERTIFICATION PROGRAMS:



Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>AquaMaker</b> Atmospheric water generator	<b>AquaMaker-Hawaii</b> <b>Green Builder's Depot</b> <b>Sustainable Marketplace</b>	X			Houston, TX	NSF	---	---	<ul style="list-style-type: none"> <li>- Energy efficient</li> <li>- Rapidly renewable</li> <li>- Reused</li> <li>- Water conserving</li> <li>- Biodegradable</li> <li>- Reusable</li> <li>- Recyclable</li> <li>- Biobased: filters made from zeolite (modified lava rock), and carbon from 100% purified coconut shell</li> </ul>	1-3 / 10+	<ul style="list-style-type: none"> <li>- Does not release toxic chemicals into the environment</li> <li>- Provides sanitary drinking water</li> <li>- Eliminates plastic bottle usage</li> <li>- Reduces water reservoir usage</li> <li>- Improves air quality</li> <li>- Provides emergency water supply</li> <li>- Capability of making water off-grid</li> </ul>
<b>ESIS Aerobic Treatment Unit</b> Onsite Wastewater Treatment System	<b>Enviniti LLC</b>	X			Waialua, HI	---	---	PVC	<ul style="list-style-type: none"> <li>- Reusable</li> <li>- Environmentally safe treatment of wastewater</li> </ul>	2 / 50+	<ul style="list-style-type: none"> <li>- Wastewater: National Sanitation Foundation Standard No. 40 Class 1 Effluent Criteria</li> <li>- University of Hawaii: Water Resources Research Center</li> </ul>
<b>Free Flow</b> Drain Bacteria for Grease Interceptors	<b>Certified Laboratories</b>	X			HI	NSF	Zero VOC	---	<ul style="list-style-type: none"> <li>- Water conserving</li> <li>- Biodegradable</li> <li>- Biobased</li> </ul>	-- / 30 days	Reduces odors, clogged lines without caustic chemicals
<b>Trident UV, H2Flow Eco Drive C</b> Water sanitation, motor speed control	<b>Blue Fin Enterprises, Inc</b>	X			Marina del Rey, CA	---	Zero VOC	PVC	<ul style="list-style-type: none"> <li>- Energy efficient</li> <li>- Recyclable</li> </ul>	1 / 10	<ul style="list-style-type: none"> <li>- Efficiency in reducing green house gases, reduces chlorine use</li> <li>- UV sanitation for pools, spas, water features, etc</li> <li>- EPA registered</li> </ul>
<b>Water Treatment Chemicals</b> Industrial Chemicals	<b>Certified Laboratories</b>	X			HI	---	Zero VOC	---	<ul style="list-style-type: none"> <li>- Energy efficient</li> <li>- Water-based</li> <li>- Water conserving</li> <li>- Biodegradable</li> <li>- Recyclable</li> </ul>	2 / --	---

## 48 00 00 ELECTRICAL POWER GENERATION: SOLAR ENERGY PRODUCTS

**LOOK FOR PRODUCTS WITH:**

- Renewable energy
  - Energy efficiency and/or ENERGY STAR Certification
- For a full list of ENERGY STAR certified products:  
[http://www.energystar.gov/index.cfm?c=products.pr\\_find\\_es\\_products](http://www.energystar.gov/index.cfm?c=products.pr_find_es_products)
- Durability
  - Recyclability

**THIRD-PARTY CERTIFICATION PROGRAMS:**


Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Conergy Power solar panels</b> Photovoltaic solar panels	Smart Energy Hawaii, a division of 21st Century Technologies Hawaii	X			Denver, CO		---	---	- Energy efficient - Solar power generation	10 / 25+	- Member of Hawaii Solar Energy Association ( <a href="#">HSEA</a> )
<b>Enphase Energy</b> Microinverters for solar panels	Smart Energy Hawaii, a division of 21st Century Technologies Hawaii	X			Petaluma, CA	---	---	---	Energy efficient	-- / 25+	- Solar Energy Industry Association ( <a href="#">SEIA</a> )
<b>Enphase Microinverters</b> Microinverter for Photovoltaic Systems	GreenPath Technologies, Inc.  Islandwide Solar  R&R Solar Supply	X			USA	---	---	---	- Energy efficient - Recyclable	15 / 40+	- Can be grid-tied or stand alone - Member of Hawaii Solar Energy Association ( <a href="#">HSEA</a> )
<b>Inovus Solar On-Grid Solar Street/Area Lighting System</b>	Inovus Solar		X		Boise, ID	International Dark Sky Association; UL; IESNA NRTL	---	Lithium Iron Phosphate batteries not hazardous material	- Renewable energy: solar - Energy efficient: LED lamps - Durable: 15 year lifespan for LED lamps	5 / --	- Eliminates the need for grid-based electricity - Qualifies for tax incentives - Eligible for LEED credits - LED's and intelligent controls can save up to 75% on energy consumption over standard luminaires
<b>Kina'ole™</b> Solar PV kit designed for Hawai'i	Bonterra Renewable Energy and Solar Power		X		---	---	---	---	- Energy efficient	25: panels, 15: micro-inverters, 10: labor and workman-ship / --	Configured to maximize State (35%) & Federal (30%) Credit
<b>LITE-PM</b> Folding potovoltaic solar panels	GreenPath Technologies, Inc.		X		---	---	---	---	- Energy efficient: high-efficiency 22% cells utilized - Durable: designed for military, able to operate with minimal reduction in energy production even if hit by a bullet	25 (for PV and installation) / 40	Qualifies for 30% federal credit and 35% state credit
<b>Morningstar Solar Thermal Collectors</b>	R&R Solar Supply	X			Jacksonville, FL	---	---	---	- Energy efficient - Rapidly renewable - Recyclable - Solar power generation	10 / 25	- Member of Hawaii Solar Energy Association ( <a href="#">HSEA</a> ) - City and County of Honolulu Approval - Complies with the following standdras: <a href="#">SRCC OG-100</a> , <a href="#">IAPMO</a> , <a href="#">FSEC</a>

## 48 00 00 ELECTRICAL POWER GENERATION: SOLAR ENERGY PRODUCTS (cont.)

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Ningbo Solar PV Panels</b> Mono and multicrystalline Photovoltaic panels	Lumen Solar LLC		X		Ningbo China	CEC Listing	---	---	- Rapidly renewable - Durable - Solar power generation	25 / 40+	- Designed to withstand island conditions: salt spray, wind loading, etc. - Member of Hawaii Solar Energy Association ( <a href="#">HSEA</a> )
<b>Off Grid and Grid Tie Photovoltaic Systems</b> Custom designed PV system	Islandwide Solar R&R Solar Supply		X		Kailua Kona, HI	---	---	---	- Energy efficient - Recyclable	25 / 40+	- Member of Hawaii Solar Energy Association ( <a href="#">HSEA</a> )
<b>Outback Inverters</b> Off Grid Inverters	Inter-Island Solar Supply Islandwide Solar		X		USA	---	---	---	- Reusable - Energy efficient	10 / 25	- Member of Hawaii Solar Energy Association ( <a href="#">HSEA</a> )
<b>Photovoltaics</b> Solar Photovoltaic Solar Panels Residential & Commercial	Sunco	X			USA	---	---	---	- Energy efficient - Rapidly renewable - Recyclable	5 / 30	
<b>Samsung</b> Solar Photovoltaic Solar Panels	R&R Solar Supply	X			Korea	---	---	---	- Rapidly renewable - Solar power generation	25 / 40+	- Member of Hawaii Solar Energy Association ( <a href="#">HSEA</a> )
<b>Sanyo PV Panel</b> Solar Photovoltaic Panel with added Photovoltaic Thin Film	Islandwide Solar	X			USA	---	---	---	- Energy efficient - Recyclable - Solar power generation	25 / 40+	- Member of Hawaii Solar Energy Association ( <a href="#">HSEA</a> )
<b>Sanyo</b> Photovoltaic Solar Panel	EnergyPro Hawaii GreenPath Technologies, Inc. R&R Solar Supply		X		HI	---	---	---	- Energy efficient - Rapidly renewable - Water conserving - Solar power generation	20 / --	- Member of Hawaii Solar Energy Association ( <a href="#">HSEA</a> )
<b>Sharp PV Panels</b> Solar Photovoltaic Solar Panels	GreenPath Technologies, Inc. Islandwide Solar Maui Solar Project R&R Solar Supply	X			USA	---	---	---	- Energy efficient - Recyclable	25 / 40+	- Member of Hawaii Solar Energy Association ( <a href="#">HSEA</a> )



## 48 00 00 ELECTRICAL POWER GENERATION: SOLAR ENERGY PRODUCTS (cont.)

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>SMA Inverter</b> Photovoltaic Grid Tie and Off Grid Inverters	GreenPath Technologies, Inc. Inter-Island Solar Supply Islandwide Solar R&R Solar Supply	X			USA	---	---	---	- Reusable - Energy efficient	10 / 25	- Member of Hawaii Solar Energy Association ( <a href="#">HSEA</a> )
<b>SolarWorld PV Panels</b> Off-grid or Grid- tied Design	Blue Pacific Energy LLC	X			USA	---	---	---	- Renewable energy - Energy efficient - Solar power generation	25 / 30	- Clean energy - Qualifies for LEED credits
<b>Solar World PV Panels</b> Solar Photovoltaic Solar Panels	Islandwide Solar	X			USA	---	---	---	- Energy efficient - Recyclable - Solar power generation	25 / 40+	- Member of Hawaii Solar Energy Association ( <a href="#">HSEA</a> )
<b>Solaro Independence</b> Solar-powered electric generator	Solaro Energy Inc.	X			Lake Elsinore, CA	---	---	---	- Energy efficient - Rapidly renewable - Recyclable	3 / 10-20	Solar-powered generator to help consumers/business owners get off-grid
<b>Solon PV Panels</b> Photovoltaic Solar Panels	Islandwide Solar	X			USA	---	---	---	- Energy efficient - Recyclable - Solar power generation	25 / 40+	- Member of Hawaii Solar Energy Association ( <a href="#">HSEA</a> )
<b>SunEarth Collectors</b> Solar water heater	Bonterra Renewable Energy and Solar Power				---	---	---	---	- Energy efficient: reduces as much as 40% on electricity bill	10 / --	Configured to maximize State (35%) & Federal (30%) Credit - HECO rebate: \$1000
<b>Sunforce Solar Kit with Sharp® Module</b> Solar energy kit	Home Depot	X			Huntington Beach, CA	---	---	---	Solar power generation	25 / -	Renewable electricity generation
<b>SunPro</b> Solar Thermal Collectors	R&R Solar Supply	X			---	---	---	---	- Energy efficient - Rapidly renewable - Recyclable - Solar power generation	12 / 25	- Transportation efficiency - Member of Hawaii Solar Energy Association ( <a href="#">HSEA</a> ) - Complies with teh following standards: <a href="#">SRCC OG-100</a> , City and County of Honolulu Approval No MM 81-40(1)
<b>Sunslates by Atlantis Energy Systems</b> Solar PV Roof Shingles	Lumen Solar LLC		X		Poughkeep-sie, NY	CEC Listed	---	---	- Rapidly renewable - Solar power generation	25 / 40+	- Solar shingles act as a roofing material in addition to generating power - Member of Hawaii Solar Energy Association ( <a href="#">HSEA</a> )

## 48 00 00 ELECTRICAL POWER GENERATION: SOLAR ENERGY PRODUCTS

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Suntech Photovoltaic Systems</b> Solar Power Systems	Island Pacific Energy LLC	X			Various Locations	---	---	---	- Energy efficient - Renewable Energy - Recyclable - Solar power generation	25 / 40+	- Clean Energy - Member of Hawaii Solar Energy Association ( <a href="#">HSEA</a> )
<b>Trina PV Panels</b> Solar Photovoltaic Panels	Islandwide Solar R&R Solar Supply	X			USA	---	---	---	- Energy efficient - Recyclable - Solar power generation	25 / 40+	- Member of Hawaii Solar Energy Association ( <a href="#">HSEA</a> )
<b>Xantrex Inverter</b> Off Grid Solar Photovoltaic Inverter	Inter-Island Solar Supply Islandwide Solar		X		USA	---	---	---	- Reusable - Energy efficient	10 / 25	- Member of Hawaii Solar Energy Association ( <a href="#">HSEA</a> )

## WIND ENERGY PRODUCTS

<b>Eddy GT Urban Green Energy</b> Wind Turbine Vertical Axis Wind Turbine	Blue Pacific Energy LLC		X		New York, NY	---	---	---	Recyclable	5 / 20	- Renewable Energy
<b>Northern Power 100kW</b> Wind Turbine	Blue Pacific Energy LLC		X		Barre, VT	---	---	---	Recyclable	5 / 20	- Renewable Energy
<b>Skystream</b> Wind Turbine	Blue Pacific Energy LLC		X		Flagstaff, AZ	---	---	---	Recyclable	5 / 20	- Renewable Energy
<b>Southwest Windpower AirX</b> Wind Generator	Home Depot	X			USA	---	---	---	---	3 / -	- Renewable Energy
<b>Zephyr Airdolphin Series</b> Low-mass wind turbine	Makani Energy Inc.	X			---	---	---	---	Energy efficient: responds to subtle wind shifts for improved power generation	---	- Ideal for: residences in remote areas, street lights, public facilities - <a href="#">Biomimicry</a> (design inspired by nature): control system is inspired by fish tail fin to improve efficiency; blade design is inspired by owl wings to reduce air flow noise

## CLEANING PRODUCTS

### LOOK FOR PRODUCTS WITH:

- Green Seal, EcoLogo, USDA BioPreferred, EPA Design for the Environment (DfE), and/or SCS certification
- Biobased, rapidly renewable and/or water-based ingredients
- Biodegradability
- Non-toxic, with Zero or Low VOC
- Recycled content
- Ammonia, chlorine, and phosphate free
- Packaging efficiency
- Energy efficient dispensers

### THIRD-PARTY CERTIFICATION PROGRAMS:



Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>3M</b> All Purpose Cleaner	<b>Grainger, Premium Inc</b>	X			USA	Green Seal	<200 g/L	---	VOC Levels Meet SCAQMD Requirements	---	---
<b>3M</b> Floor Cleaner	<b>Grainger, Premium Inc</b>	X			USA	Green Seal EcoLogo	---	---	VOC Levels Meet SCAQMD Requirements	---	---
<b>ACT Concrete Cleaner</b> Bioremediation Cleanup	<b>Toolmaster Hawaii Inc</b>	X			Dacono, CO	---	---	---	- Water conserving - Biobased: micro-organisms	---	- Uses no water - Cleans up oil, grease, antifreeze - Reduces animal waste to compost material - Helps keep contaminants from water supply - Eliminates odors and remediates gases - <a href="#">BioPreferred USDA Certified Biobased Product</a> and PACT
<b>AFM SafeChoice</b> Carpet Shampoo	<b>Green Builders Depot</b>	X			CA	---	Zero VOC	- Non-toxic - No chlorine ammonia, butyl ethers	---	limited warranty / --	- Low odor - Safe to use for the chemically sensitive - Dye free
<b>AFM SafeChoice Concentrated Safety Clean</b> Bath & Bowl Cleaner	<b>Green Builders Depot</b>	X			CA	---	Zero VOC	No chlorine or butyl ethers	---	limited warranty / --	- Low odor - Safe to use for the chemically sensitive
<b>AFM SafeChoice Super Clean</b> Multi-purpose cleaner	<b>Green Builders Depot</b>	X			CA	---	Zero VOC	- Non-toxic - No chlorine ammonia, butyl ethers	---	limited warranty / --	- Low odor - Safe to use for the chemically sensitive - Dye free
<b>Ambient</b> Hardwood Floor Cleaner	<b>Green Builders Depot</b>	X			MD	---	---	Phosphate-free	- Non-toxic - Biodegradable	---	Non-acidic
<b>Baumgartens Conserve</b> Eco-friendly cleaners	<b>HSC Office Products</b>	X			USA	---	---	No petrochemicals, phosphates or acids	- Reusable container - Non-toxic	---	Woman-owned business

**CLEANING PRODUCTS (cont.)**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>CLR</b> Calcium, Lime, and Rust Remover	Home Depot	X			---	DfE	---	No hazardous chemicals or solvents	Biodegradable	---	---
<b>Concrobium Mold Control</b>	Home Depot	X			---	---	Zero VOC	Bleach-free	---	---	- Eco-certified - Contains no heavy metals, triclosan, ammonia or acids - Odorless, colorless, and requires no isolation time - EPA registration number: 82552-1
<b>Earth Friendly Products</b> Liquid Dish Detergent	Grainger	X			USA	DfE	---	---	- Biodegradable - Biobased	---	- Plant-based - Made from rapidly renewable resources - Free of phosphates, formaldehyde, petrochemicals, dyes, chlorine, synthetic perfumes, ammonia
<b>Eco-Etch</b> Cleaning Product	Green Builders Depot	X			Phoenix, AZ	---	Zero VOC	---	- Rapidly renewable - Water-based	-- / 1	Environmentally responsible corporate practices
<b>Revitalize Miracle Spotter Starter Kit</b> Carpet cleaner - daily maintenance	Ecolab	X			---	CRI Seal of Approval	---	---	---	---	---
<b>Revitalize Carpet &amp; Upholstery Prespray Cleaner</b> Carpet cleaner	Ecolab	X			---	CRI Seal of Approval WoolSafe Seal of Approval GreenSeal (GS-37)	---	---	---	---	---
<b>Revitalize perfusion Carpet &amp; Upholstery Cleaner</b> Carpet cleaner	Ecolab	X			---	CRI Seal of Approval WoolSafe Seal of Approval GreenSeal (GS-37)	---	---	---	---	---
<b>Oasis Pro 32 Neutral Floor Cleaner</b> For vinyl, tile, natural marble and wood floor	Ecolab	X			---	GreenSeal (GS-37)	---	---	---	---	---
<b>Zinc Free Finish Remover</b> Floor strippers	Ecolab	X			---	GreenSeal (GS-37)	---	- Zinc-free - pH neutral	---	---	---

<b>CLEANING PRODUCTS (cont.)</b>											
Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Formula 1 Single-Step Detergent</b> Laundry	<b>Ecolab</b>	X			---	Criterion 3.4.3 in GreenSeal (GS-33)	---	Non-phosphate, nontoxic	Biodegradable	---	---
<b>FlexyLite G</b> Laundry Detergent	<b>Ecolab</b>	X			---	Criterion 3.4.3 in GreenSeal (GS-33)	---	Non-phosphate, nontoxic	Biodegradable	---	---
<b>Detergent Oz</b> Liquid Laundry Detergent	<b>Ecolab</b>	X			---	Criterion 3.4.3 in GreenSeal (GS-33)	---	Non-phosphate, nontoxic	Biodegradable	---	---
<b>EcoProcote Soy-It</b> Heavy Duty Degreaser	<b>Green Builders Depot</b>	X			Phoenix, AZ	DfE	---	---	- Biobased - neutral pH	---	Soy-based formula replaces petrochemical-based products
<b>EcoProcote Soy-It</b> Stainless Steel Cleaner	<b>Green Builders Depot</b>	X			Phoenix, AZ	DfE	---	---	100% Biobased	---	Soy-based formula replaces petrochemical-based products
<b>EcoProcote Dispose-A-Paint</b> Waste Paint Hardener	<b>Green Builders Depot</b>	X			Phoenix, AZ	DfE	---	---	---	---	Hardens water-based stains and paints for proper disposal
<b>EcoProcote Soy-It</b> Graffiti Remover	<b>Green Builders Depot</b>	X			Phoenix, AZ	DfE	Low VOC	---	- Biobased - Renewable resource	---	Soy-based formula replaces petrochemical-based products
<b>EcoProcote Soy-It</b> Lead Paint and HD Stripper	<b>Green Builders Depot</b>	X			Phoenix, AZ	DfE	Low VOC	---	- Biobased - Renewable resource	---	Soy-based formula replaces petrochemical-based products
<b>Eco-Sense Home Cleaning Products</b> Chemical-free cleaner	<b>Safe Day Events</b>		X		Idaho Falls, ID	---	---	---	- Rapidly renewable - Reused - Water-based - Water conserving - Biodegradable	90 days / --	Environmentally responsible corporation, transportation and packaging
<b>Enviroklean</b> Industrial Cleaner/ Degreaser	<b>Toolmaster Hawaii Inc</b>	X			Troy, VA	---	48 g/L	---	Biodegradable	---	---
<b>Ever-Green</b> Bathroom Tissue in Dispenser Box	<b>Office Max</b>	X			---	---	---	Made without chlorine compounds	100% recycled content	---	- No plastic packaging is used in this product - No added dyes or fragrances
<b>Evolve02 Concentrate</b> Cleaning Chemical	<b>EnvirOx, LLC</b> <b>Lamers Enterprise Inc.</b> <b>Maui Chemical &amp; Paper Products</b>	X			Danville, IL	Green Seal	Zero VOC	---	- Rapidly renewable - Water-based - 100% biobased content - Biodegradable	-- / 2	- Environmentally responsible corporate practices - Post consumer recyclable content in cardboard and plastic bottle
<b>Georgia Pacific</b> Bathroom tissue	<b>Grainger, Premium Inc</b>	X			USA	EcoLogo	---	---	100% recycled Content	---	---

**CLEANING PRODUCTS (cont.)**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Georgia Pacific Brawny</b> Disposable Wipes	<b>Grainger, Premium Inc</b>	X			USA	EcoLogo	---	---	100% total recycled content	---	---
<b>Georgia Pacific Multifold Towel</b> Paper towels	<b>Grainger, Premium Inc</b>	X			USA	EcoLogo	---	---	100% recycled content	---	---
<b>Georgia Pacific Facial Tissue</b>	<b>Grainger, Premium Inc</b>	X			USA	EcoLogo	---	---	100% recycled content	---	---
<b>Georgia-Pacific Jumbo Roll Bathroom Tissues</b>	<b>Office Max, Premium Inc</b>	X			USA	EcoLogo	---	---	100% recycled content	---	---
<b>Georgia-Pacific Vista Towel Dispenser</b>	<b>Office Max, Premium Inc</b>	X			USA	---	---	---	40% post-consumer recycled content	---	---
<b>G-Glass Glass Cleaner</b>	<b>Green Builders Depot</b>	X			CT	---	---	No hazardous chemicals	Biodegradable	---	- Ammonia-free organic formula - Ranked Highest Biodegradability by ASTM standards
<b>Gojo Foaming Hand Soap</b>	<b>Grainger</b>	X			USA	Green Seal	---	---	Readily biodegradable per OECD or ASTM Standards	---	---
<b>Green Works Dishwashing Liquid</b>	<b>Office Max</b>	X			---	DfE	---	Nontoxic	Biobased	---	- Made with plant-based ingredients - No petrochemicals or dyes
<b>Green Works Laundry Detergent</b>	<b>Home Depot Office Max</b>	X			---	DfE	---	Nontoxic	Biobased	---	- Made with plant-based ingredients - No petrochemicals or dyes
<b>Green Works All purpose cleaner</b>	<b>Grainger Home Depot Office Max</b>	X			---	DfE Green Seal	---	Nontoxic	- Biobased - Biodegradable	---	- Made with plant-based ingredients - No petrochemicals or dyes
<b>GT-1000 Graffiti Remover</b>	<b>Safety Systems Hawaii, Inc.</b>	X			---	---	---	Nontoxic	100% biodegradable	---	- Non-caustic - Non-flammable
<b>H2Orange2 Concentrate 117 Environmental Multi-Purpose Cleaning Chemical</b>	<b>EnvirOx, LLC Lamers Enterprise Inc. Maui Chemical &amp; Paper Products</b>	X			Danville, IL	CRI Seal of Approval	---	---	- Rapidly renewable - Water-based - 98.1% biobased content based upon carbon - Biodegradable	-- / 1 year per EPA registration	- Environmentally responsible corporate practices - Post consumer recyclable content in cardboard and plastic bottle - <a href="#">EPA registered</a> sanitizer
<b>Health Gards Toilet Seat Covers and Dispenser</b>	<b>Office Max</b>	X			---	---	---	---	Toilet seat covers made with 20% Post-consumer recycled content (CPG)	---	---
<b>Howard Naturals Marble and Granite cleaner</b>	<b>City Mill</b>	X			USA	---	---	Non-toxic	Biobased	---	Plant-based cleaner

**CLEANING PRODUCTS (cont.)**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Kimberly-Clark SLIMFOLD</b> Towel System	Office Max	X			---	FSC Chain of Custody	---	---	40% Post-consumer recycled paper	---	---
<b>Kimberly-Clark 2-Ply Scott Coreless</b> Bathroom tissue	Office Max	X			---	---	---	---	45% Post-consumer recycled content (CPG)	---	---
<b>Krud Kutter</b> Cleaner/Degreaser Stain Remover	City Mill	X			USA	---	Zero VOC	No petroleum surfactants, bleach or ammonia	- Biodegradable - Water-based	---	Industrial strength and safe for people, pets and plants
<b>Krud Kutter</b> Rust Remover & Inhibitor	City Mill	X			USA	---	Zero VOC	No petroleum surfactants, bleach or ammonia	- Biodegradable - Water-based	---	---
<b>Ladybug Chemical Free</b> cleaner, deodorizer, sanitizer, disinfectant	Advanced Vapor Technologies LLC	X			Everett, WA	NSF	Zero VOC	Small amount of solder in electronic PCB	- Energy efficient - Rapidly renewable - Water conserving - Reusable - Recyclable	3 or 8 / 8+	- Reduces or eliminates: cleaners, sanitizers, disinfectants, VOCs, surface degradation, waste streams - Minimal electrical power requirement - Minimal water consumption - ETL (ETL Testing Laboratories)
<b>Marcal Small Steps</b> Bathroom Tissue	Office Max	X			---	---	---	---	100% Recycled content	---	---
<b>Martha Stewart Clean</b> Cleaning products	Home Depot Office Max	X			---	DfE FSC Chain of Custody	---	- Ammonia free - Nontoxic	99% plant and mineral-based ingredients	---	No artificial dyes or fragrances
<b>Micro-Blaze FOG</b> Cleaning for commercial kitchens, drains	Safety Systems Hawaii, Inc.	X			USA	NSF	---	---	---	---	Has been tested and is Certified by NSF International as a compound for use as a general cleaner [A1], and a floor and wall cleaner for use in all departments [A4]
<b>MondoVap Chemical Free</b> cleaner, deodorizer, sanitizer, disinfectant	Advanced Vapor Technologies LLC	X			Everett, WA	NSF	Zero VOC	Small amount of solder in electronic PCB	- Energy efficient - Rapidly renewable - Water conserving - Reusable - Recyclable	3 or 8 / 8+	- Reduces or eliminates: cleaners, sanitizers, disinfectants, VOCs, surface degradation, waste streams - Minimal electrical power requirement - Minimal water consumption - ETL (ETL Testing Laboratories)
<b>Murphy's Oil Soap</b> Cleaner	Home Depot City Mill	X			---	DfE	---	Phosphate-free	- Biodegradable - Biobased	---	Contains 98% naturally derived ingredients



## CLEANING PRODUCTS (cont.)

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Nature's Source</b> Cleaning Products	Home Depot	X			---	DfE	---	---	- Biobased - Biodegradable	---	
<b>Neutral Disinfectant Cleaner</b> General purpose cleaner	ABC Corporation	X			Waipahu, HI	---	Zero VOC	---	- Water-based - Biodegradable - Reusable - Recyclable	---	- Environmentally responsible corporate practices, transportation - Packaging efficiency
<b>Neutrale Pacific</b> General purpose cleaner/ degreaser	ABC Corporation	X			Waipahu, HI	---	Zero VOC	---	- Reused - Water-based - Biodegradable	---	- Environmentally responsible corporate practices - Packaging efficiency - Reusable packaging
<b>Orange Muscle Plus Concentrate</b> All Purpose Cleaner/ Degreaser	Toolmaster Hawaii Inc	X			USA	DfE Green Seal	Zero VOC	---	Biodegradable	---	- Organic solvents derived from orange and citrus peels - Non-toxic - No obnoxious odor - Non flammable
<b>PolyWhey</b> Wood Cleaner	Vermont Natural Coatings			X	Hardwick, VT	---	Zero VOC	---	- Water-based - 20% whey based	Life of product / 10	Recycled containers
<b>Ramsey Steamette</b> Liquid Carpet Extraction Cleaner	Grainger	X			USA	Green Seal	Zero VOC	---	---	---	---
<b>Rubbermaid</b> Mop Head	Grainger	X			USA	---	---	---	100% recycled content	---	---
<b>Safe Choice Super Clean</b> Multi Purpose Cleaner	Green Builders Depot	X			San Diego, CA	SCS	Zero VOC	---	Biodegradable	-- / 1-2	Created especially for those who are extremely sensitive to chemicals
<b>San Jamar Touchless Tear-N-Dry ECO</b> Towel Dispenser	Office Max	X			---	---	---	---	40% Post-consumer recycled paper	---	Longest battery life in the industry, requiring less maintenance
<b>SCA Tissue Tork</b> Tissue and paper products	Hansen Foodservice	X			Multiple locations	EcoLogo Green Seal FSC (some products)	---	---	All paper made in SCA mills is 100% recycled	---	- SCA ranked 2nd Greenest company in the world by The Independent with the Ethical Investment Research Services - SCA is a Member of Healthy Schools Campaign
<b>Scotch-Brite</b> Scrub Sponges	Office Max	X			---	---	---	---	- Made with 23% recycled paper - Made with 100% natural fibers	---	---
<b>Seventh Generation</b> Cleaning products	Office Max	X			USA	---	---	Made without harmful chemicals, dyes or fragrances	- Biobased - Bottle made from 25% Post-consumer recycled plastic	---	Made from plant-derived ingredients
<b>Seventh Generation</b> Dish detergent	Office Max	X			USA	---	---	Chlorine free	- No harmful chemicals, dyes or fragrances - Biobased	---	Made from plant-derived ingredients

## CLEANING PRODUCTS (cont.)

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Seventh Generation</b> Laundry detergent	Office Max	X			USA	---	---	Nontoxic	Free of dyes, fragrances and enzymes	---	Safe for septic and graywater systems
<b>Seventh Generation</b> Paper towels	Office Max	X			USA	---	---	Chlorine free	100% Recycled paper	---	---
<b>Seventh Generation</b> Bathroom Tissue	Office Max	X			USA	---	---	Made without chlorine or chlorine compounds	80% Post-consumer recycled content	---	- Free of dyes, inks and fragrances - Ideal for low-flow toilets
<b>Shamtastic Wipes</b>	City Mill	X			Germany	---	---	---	- Biobased - Reusable - Durable	---	- Made from sustainably managed beech forests in Europe.
<b>Simple Green</b> Cleaning products	City Mill Grainger	X			USA	---	2.80%	---	- Readily biodegradable per OECD or ASTM standards - VOC Level per SCAQMD requirements	---	- Clean Building cleaner is Green Seal certified - Crystal formula has no added color or fragrances
<b>Simple Green</b> Heavy Duty Towels	City Mill	X			USA	---	---	---	- Non-toxic formula - Biodegradable	---	No Dye or Scent
<b>Tough Guy Eco Degreaser</b> Industrial cleaner	Grainger	X			USA	EcoLogo	Low VOC,	---	Biodegradable	---	low-odor, and non-corrosive
<b>Traffic Master</b> Carpet Machine Cleaner	Home Depot	X			---	DfE	---	Non-toxic	Biodegradable	---	---
<b>Whoa! Fat</b> Kitchen Oil Disposal Box	Island Shell LLC dba Environmental Manufacturing	X			Hawaii	---	---	---	Recycled content	---	- Educational tool - Helps reduce fats,oils and grease in sewer system - Full units, when placed in grey bins, are converted to energy at <a href="#">H-POWER</a> - Filled with highly absorbent cellulose materials from recycled paper
<b>VaporJet</b> Chemical Free cleaner, deodorizer, sanitizer, disinfectant	Advanced Vapor Technologies LLC	X			Everett, WA	NSF	Zero VOC	Small amount of solder in electronic PCB	- Energy efficient - Rapidly renewable - Water conserving - Reusable - Recyclable	3 or 8 / 8+	- Reduces or eliminates: cleaners, sanitizers, disinfectants, VOCs, surface degradation, waste streams - Minimal electrical power requirement - Minimal water consumption - <a href="#">ETL</a> (ETL Testing Laboratories)
<b>Zurn AquaSpec Jet Spray Washer</b> Commercial pre-rinse unit	Pacific Rim Partners, LLC		X		---	WaterSense	---	---	Water conserving: reduces water use up to 80%	5 / --	- Saves up to \$1000 per year - WaterSense Partner - USGBC member

## OFFICE PRODUCTS

## LOOK FOR PRODUCTS WITH:

- Recycled content and/or CPG compliant
  - Paper products that are acid-free, processed chlorine-free and/or FSC or SFI certified
  - Recyclability, Biodegradability, and/or Cradle to Cradle Certification for after useful life
  - SCS and/or GREENGUARD Certification for optimal indoor air quality
  - Energy efficiency and/or ENERGY STAR certification for office electronics
- For a full list of ENERGY STAR certified products:  
[http://www.energystar.gov/index.cfm?c=products.pr\\_find\\_es\\_products](http://www.energystar.gov/index.cfm?c=products.pr_find_es_products)
- Refillable options

## THIRD-PARTY CERTIFICATION PROGRAMS:



Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Eco-Bags Products, Inc</b> Reusable bags	<b>ECOBAGS.com</b>			X	Wappingers Falls, NY	OTA (organic Cottons only) GOTS (fair age, fair labor)	---	Lead, phthalates & PVC-free	- 100% recycled, natural & organic options - Biodegradable - Reusable - Recyclable	None / 5+	- All custom printing inks are lead, phthalates & PVC-free - Products include totes, lunch, produce & spa bags - All ECOBAGS brand items are certified for fair wage/fair labor - Member of OTA (Organic Trade Association)
<b>[IN] PLACE Aluminium Portable Storage</b> Clipboards	<b>Office Max</b>	X			---	---	---	---	60% post-consumer (aluminium), up to 89% total recycled content	---	---
<b>[IN] PLACE Desktop File Box</b>	<b>Office Max</b>	X			---	CPG	---	---	100% post-consumer (paper stock)	---	---
<b>[IN] PLACE Heavy-Duty File Pockets</b>	<b>Office Max</b>	X			---	SFI Chain of Custody	---	---	10% post-consumer (paper stock)	---	Reinforced gussets for greater durability
<b>[IN] PLACE Pressboard Folders with Embossed Fasteners</b>	<b>Office Max</b>	X			---	SFI CPG	---	---	30% post-consumer (pressboard)	---	---
<b>[IN] PLACE Recycled Colored File Folders</b>	<b>Office Max</b>	X			---	SFI CPG	---	acid-free	100% post-consumer (paper stock)	---	---
<b>[IN] PLACE Tab View Extra-Capacity Box-Bottom Hanging Folders</b>	<b>Office Max</b>	X			---	---	---	---	70% recycled content	---	---
<b>3M Rotary Organizer</b>	<b>Office Max, Premium Inc</b>	X			---	CPG	---	---	50% post-consumer recycled content	---	---
<b>3M Keyboard Trays with Standard Platform</b>	<b>Office Max, Premium Inc</b>	X			---	---	---	---	70% Pre-consumer recycled content	5 / --	- Antimicrobial protection prevents the growth of microbes - Qualifies for LEED EBO&M Credit 2.2 Sustainable Purchasing: Durable Goods

**OFFICE PRODUCTS (cont.)**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>3M</b> Gel Mousepad Wrist Rests with Precise Mouse Surface	<b>Office Max, Premium Inc</b>	X			---	---	---	---	25% pre-consumer recycled content	1 / --	- Antimicrobial protection helps prevent the growth of microbes - Mouse surface extends battery life up to 75%
<b>3M</b> Transparency Film for Copiers	<b>Office Max, Premium Inc</b>	X			---	---	---	---	50% post-consumer recycled content	---	---
<b>3M Post-It</b> Recycled note pads	<b>HSC Office Products, Premium Inc, Office Depot Office Max</b>	X			---	SFI Chain of Custody CPG	---	---	100% post-consumer recycled paper	---	Paper comes from forests that are well-managed where trees are replanted
<b>3M</b> Post-It Self-Stick Easel Pads	<b>Office Depot, Premium Inc, Office Max</b>	X			---	CPG	---	---	30% post-consumer recycled content	---	---
<b>Abisco Spine Assist Round-Ring</b> View Binders	<b>Office Max</b>	X			---	CPG	---	---	50% Post-consumer recycled content	---	Minority owned business
<b>Acco Hanging Presstex</b> Data Binders	<b>Office Max</b>	X			---	---	---	---	30% Post-consumer recycled content	---	---
<b>ACCO Presstex/ Pressboard top-Hinge</b> Report covers	<b>Office Max</b>	X			---	CPG	---	---	100% post-consumer (stock)	---	---
<b>Alera</b> Steel Storage Cabinets	<b>Office Max</b>	X			---	CPG	---	---	30% post-consumer recycled content	---	---
<b>ALLIANCE</b> Rubber Bands	<b>Office Max</b>	X			---	---	---	---	- Biodegradable - Reusable	---	---
<b>Ascend Peel-to- Seal</b> Catalog Envelopes	<b>Office Max</b>	X			---	CPG	---	---	30% post-consumer recycled content	---	---
<b>Ascend Peel-to- Seal</b> Envelopes	<b>Office Max</b>	X			---	CPG	---	---	30% post-consumer recycled content	---	---
<b>AT-A-GLANCE QuickNotes</b> Weekly/Monthly Professional Appointment Books	<b>Office Max</b>	X			---	CPG	---	---	30% post-consumer	---	Supports the battle against breast cancer by donating funds to City of Hope for research, treatment, and education

**OFFICE PRODUCTS (cont.)**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/ Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>AT-A-GLANCE Recycled</b> Weekly/Monthly Appointment Books	Office Max	X			---	CPG	---	---	100% post-consumer (paper)	---	---
<b>Aurora ECOvue</b> Binders	Office Max	X			---	CPG	---	---	70% post-consumer recycled paperboard	---	---
<b>Avery Brown Kraft</b> Shipping Labels	Office Max	X			---	---	---	Processed chlorine-free	100% recycled material	---	---
<b>Avery Direct Print</b> Presentation Dividers	Office Max	X			---	---	---	---	30% Post-consumer recycled content	---	---
<b>Avery Double-Pocket</b> Dividers	Office Max	X			---	CPG	---	---	30% post-consumer recycled paper	---	---
<b>Avery EcoFriendly Index</b> Maker Dividers	Office Depot Office Max	X			---	FSC Chain of Custody CPG	---	---	77% post-consumer recycled paper	---	---
<b>Avery EcoFriendly Table</b> of Contents Divider	Office Max	X			---	FSC Chain of Custody	---	---	80% post-consumer recycled paper	---	---
<b>Avery Index Maker Clear</b> Lable Dividers	Office Max	X			---	CPG	---	---	30% post-consumer recycled content	---	---
<b>Avery Laser or Inkjet</b> Labels	Office Max	X			---	FSC Chain of Custody CPG	---	---	100% post-consumer recycled paper	---	---
<b>Avery EcoFriendly 100% Recycled</b> Name Badges	Office Depot Office Max	X			---	FSC Chain of Custody CPG	---	Processed Chlorine-free	- 100% post-consumer recycled paper - Water-based adhesive	---	---
<b>Avery Recyclable EZTurn</b> Ring Binder	Office Max	X			---	---	---	---	- 65% post-consumer recycled chipboard - Rivets and rings removable for reuse - All components recyclable	---	---
<b>Bankers Box</b> Office products	Office Max	X			---	---	---	---	Min 59% post-consumer recycled content	---	---
<b>Bankers Box 100% Recycled</b> Storage Boxes	Office Max	X			---	SFI CPG	---	---	100% post-consumer recycled content	---	---
<b>Bankers Box Staxonsteel</b> Storage Drawers	Office Max	X			---	CPG	---	---	Linerboard made with 65% Post-consumer recycled content	---	---
<b>BASYX BY HON 400 Series</b> Lateral Files	Office Max	X			---	SCS Indoor Advantage ANSI/BIFMA CPG	---	---	30% post-consumer	---	---

## OFFICE PRODUCTS (cont.)

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Baumgartens</b> ID Lanyards	Office Max	X			---	---	---	---	30% post-consumer recycled water bottles	---	Woman owned business
<b>Belkin SurgeMaster Energy-Saving 6 and 8 outlet 'Smart Surge' Protectors</b>	Office Max	X			---	---	---	---	Energy saving	---	Conserves energy because the 'Smart Surge' senses connected electronics in sleep mode and automatically turns off their individual outlets
<b>Bic Ecolutions ReAction</b> Recycled Ballpoint Pens	Office Max	X			---	---	---	---	74% post-consumer recycled content	---	---
<b>BlueLine</b> Notebooks	Office Max	X			---	CPG	---	---	30% post-consumer recycled content	---	---
<b>Boise Aspen ColorCopy</b> Recycled Paper	Office Max	X			---	FSC Chain of Custody CPG	---	No chlorine or chlorine compounds	100% post-consumer recycled paper	---	---
<b>Boise Aspen</b> Laser Paper	Office Max	X			---	FSC Chain of Custody CPG	---	---	30% post-consumer recycled paper	---	---
<b>Boise Aspen</b> Multiuse Paper	Office Max	X			---	FSC Chain of Custody CPG	---	---	100% post-consumer recycled paper	---	---
<b>Boise FIREWORX</b> Colored Multiuse Paper	Office Max	X			---	FSC Chain of Custody CPG	---	---	30% post-consumer recycled paper	---	---
<b>Boise HD:P Glossy Color</b> Laser Paper	Office Max	X			---	FSC Chain of Custody	---	---	15% post-consumer recycled content	---	---
<b>Brother</b> Printers	Office Max	X			---	ENERGY STAR	---	---	---	---	---
<b>Canon</b> Printers	Office Max	X			---	ENERGY STAR	---	---	---	---	---
<b>Canon</b> Calculators	Office Depot Office Max	X			---	---	---	---	25- 100% post-consumer recycled plastic	---	---
<b>Cardinal Antimicrobial Locking View</b> Binders	Office Max	X			---	---	---	---	- 100% post-consumer recycled chipboard - 52% total recycled content	---	Antimicrobial material prevents the growth of bacteria and fungus on the binder surface
<b>Cardinal Eco-Smart</b> Ring Binders	Office Max	X			---	---	---	---	90% recycled polypropylene	---	---
<b>CareMail Kraft Packing</b> Wrapping Paper	Office Max	X			---	---	---	---	100% post-consumer recycled content	---	---

**OFFICE PRODUCTS (cont.)**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>CareMail Recycled</b> Corrugated Shipping Boxes	Office Max	X			---	---	---	---	100% post-consumer recycled content	---	---
<b>CareMail Rugged</b> Padded Mailers	Office Max	X			---	---	---	---	Stuffing made from 55% Post-consumer recycled papers	---	---
<b>CareMail Tri-Hex</b> Mailing Tubes	Office Max	X			---	---	---	---	100% post-consumer recycled content	---	---
<b>Chicago Lighthouse Industries</b> Wall Clocks	Office Max	X			---	---	---	---	30% post-consumer recycled content	3 / --	Ability One Program - provides employment opportunities for people who are blind or have other severe disabilities
<b>C-Line Products</b> Sheet Protectors	Office Max	X			---	---	---	---	30% post-consumer recycled content	---	---
<b>Cosco 2000 PLUS Green Line Heavy Duty</b> 4in1 Date Stamp	Office Max	X			---	---	---	---	- 75% recycled plastic - Uses water based ink	---	---
<b>Cosco 2000 PLUS Green Line</b> Self-Inking Message Stamps	Office Max	X			---	---	---	---	- 80% recycled plastic - Uses water based ink	---	---
<b>DAY RUNNER</b> Weekly/Monthly Planners	Office Max	X			---	CPG	---	---	30% post-consumer	---	---
<b>DAYMINDER Premiere Professional</b> Weekly Appointment Books	Office Max	X			---	CPG	---	---	30% post-consumer (paper)	---	---
<b>Diverse Earth Second Nature</b> Legal Pads	Office Max	X			---	CPG	---	---	- 100% recycled paper - Total 40% Post-consumer recycled paper	---	---
<b>DIVOGA Fashion</b> File Folders	Office Max	X			---	CPG	---	---	30% post-consumer recycled content	---	Satin-finish exterior coating for durability and water resistance
<b>Duck</b> Twist-N-Pull Mailing Tubes	Office Max	X			---	---	---	---	65% post-consumer recycled content	---	---
<b>Duracell</b> Rechargeable Batteries	Grainger Office Max	X			Japan	---	---	---	- Reusable - Durable	---	- Lasts longer than ordinary alkaline batteries - Can be recharged up to 1000 times

**OFFICE PRODUCTS (cont.)**

Product Name	Distribution			Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO							
<b>EcoStapler</b> Stapler	Office Max	X			---	---	---	- 30% recycled content - Total 13% post-consumer recycled content	---	---
<b>Energizer</b> Batteries and Battery recharger	Office Depot	X			---	---	Mercury-free	Rechargeable	---	Allows batteries to be recharged repeatedly, reducing number of batteries sent to landfills
<b>EnviroCell</b> Rechargeable Batteries	Grainger	X			China	EcoLogo	---	Reusable	---	This item is manufactured by a minority, woman or disabled-owned business
<b>Epson</b> Printer	Office Max	X			---	ENERGY STAR	---	---	---	---
<b>Fellowes</b> Storage accessories	Office Max	X			---	---	---	100% pre-consumer recycled plastic	---	---
<b>Fellowes</b> Recycled Mouse Pads	Office Max	X			---	CPG	---	95% post-consumer	---	---
<b>Fiskars</b> <b>100% Recycled</b> Scissors	Office Depot	X			---	---	---	Handles contain 100% post-consumer content	---	---
<b>GBC</b> Leather-Textured Back Covers	Office Max	X			---	---	---	40% post-consumer recycled paper	---	---
<b>GBC</b> Recycled Report Covers	Office Max	X			---	---	---	100% post-consumer recycled content	---	---
<b>Ghent</b> Tackboards	Office Max	X			---	---	---	90% post-consumer recycled rubber	---	---
<b>Glad</b> Tall Kitchen Twist- Tie Bags	Office Max	X			---	CPG	---	- 65% recycled plastic - Total 10% post-consumer recycled content - Carton made from 100%	---	---
<b>GLOBAL</b> <b>9300P Series</b> Lateral Files	Office Max	X			---	CPG	---	30% post-consumer	---	---
<b>GLOBE-WEIS</b> <b>Premium</b> <b>Reinforced</b> <b>Watershed</b> File Pockets	Office Max	X			---	SFI Chain of Custody	---	10% post-consumer (paper stock)	---	---
<b>Goecolife</b> Office shredder	Office Max	X			---	CarbonFree RoHS	---	Energy efficient	3 / --	- Carbon neutral - Utilize energy saving technology - Packaged with environmentally preferable products
<b>Guy Brown</b> Remanufactured Toner Cartridges	Office Max	X			---	---	---	---	---	Keeps material from entering waste-stream by remanufacturing used cartridges



**OFFICE PRODUCTS (cont.)**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Hefty Renew</b> Recycled Bags	Office Max	X			---	---	---	---	44% post-consumer recycled content	---	---
<b>HP</b> LaserJet Paper	Office Max	X			---	FSC Chain of Custody	---	---	---	---	---
<b>HP</b> Recycled Paper	Office Max	X			---	SFI Chain of Custody CPG	---	---	30% post-consumer recycled paper	---	---
<b>HP</b> LaserJet Printer	Office Max	X			---	ENERGY STAR	---	---	---	---	---
<b>Infuse Premium 2-Tone</b> Paper Presentation Products	Office Max	X			---	CPG	---	---	30% post-consumer recycled content	---	---
<b>Infuse</b> Self-Stick Easel Pads	Office Max	X			---	CPG	---	---	30% post-consumer recycled content	---	---
<b>Jiffy</b> Padded mailers with self-seal flap	Office Max	X			---	---	---	---	50% post-consumer recycled content	---	---
<b>JUST BASICS 100% Recycled</b> Hardboard Archboards and Clipboards	Office Max	X			---	---	---	---	100% post-consumer (board)	---	---
<b>KWIK-FILE</b> Mailflow Systems	Office Max	X			---	GREENGUARD Indoor Air Quality CPG	---	---	30% post-consumer recycled content	---	---
<b>LEE Sortkwik</b> Fingertip moisteners	Office Max	X			---	---	---	Nontoxic ingredients	50% Post-consumer (plastic container)	---	- Odorless - Won't stain skin, paper, clothes - Antibacterial
<b>Lexmark</b> Printer	Office Max	X			---	ENERGY STAR	---	---	---	---	---
<b>LIQUID PAPER</b> DryLine Grip Correction Film	Office Max	X			---	---	---	---	67% post-consumer (plastic dispenser)	---	---
<b>Mead Casebound</b> Notebooks	Office Max	X			---	CPG	---	---	90% post-consumer recycled content	---	---
<b>MMF INDUSTRIES Extra Storage</b> Cash Box	Office Max	X			---	---	---	---	12% post-consumer (steel)	---	Heavy-gauge steel with scratch and chip-resistant finish

**OFFICE PRODUCTS (cont.)**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>MMF INDUSTRIES</b> High-Security Cash Drawer	Office Max	X			---	---	---	---	- 50% post-consumer recycled content - Durable	---	- Designed to last more than 3million open/close cycles - Heavy-gauge steel construction with scratch-and-chip-resistant finish
<b>Mohawk</b> Color Copy Recycled Paper	Office Max	X			---	FSC Chain of Custody CPG	---	No chlorine or chlorine compunds	100% post-consumer recycled paper	---	Manufactured with renewable wind power
<b>Norcom</b> <b>Ecotec</b> Notebooks	Office Max	X			---	---	---	---	- Cover made with 100% Post-consumjer recycled content - Paper made with 40% post-consumer recycled content	---	---
<b>Office Depot</b> 30% Recycled File Box	Office Depot	X			---	---	---	---	Made with 30% total recycled content	---	---
<b>Office Depot</b> 40% Recycled Multipurpose Corrugated Carton	Office Depot	X			---	---	---	---	Made with 40% total recycled content	---	---
<b>Office Depot</b> 100% Recycled Hanging Folders	Office Depot	X			---	---	---	Tabs are PVC-free	100% recycled content with minimum of 95% post-consumer recycled content	---	Tabs made from <b>R-PET</b> (Recycled Polyethylene Terephthalate)
<b>Office Depot</b> EnviroCopy 30% Recycled FSC Certified Paper	Office Depot	X			---	FCS Green Seal	---	---	Paper made with 30% post-consumer recycled content	---	Paper from certified forests
<b>Office Depot</b> 30% Recycled Inkjet Paper	Office Depot	X			---	Green Seal SFI Chain of Custody	---	---	Paper made with 30% post-consumer recycled content	---	---
<b>Office Depot</b> 100% Recycled Lunch Napkins	Office Depot	X			---	---	---	Chlorine- free	100 % total recycled content: 60 % post-consumer content	---	Certified Process Chlorine Free (PCF)
<b>Office Depot</b> 100% Recycled Marble Composition Book	Office Depot	X			---	---	---	---	Contains 100% total recycled content	---	---
<b>Office Depot</b> 100% Recycled Paper Towels	Office Depot	X			---	---	---	---	100 % Total recycled content: 60 % Post-consumer content	---	---
<b>Office Depot</b> Aluminum Form Holder, Storage Clipboard	Office Depot	X			---	---	---	---	Contains 89% recycled content with 60% post-consumer recycled content	---	---
<b>Office Depot</b> Envelopes and mailers	Office Depot	X			---	---	---	---	Made with 20% Post-consumer recycled content	---	---

**OFFICE PRODUCTS (cont.)**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Office Depot</b> Loose Fill Packing Peanuts	Office Depot	X			---	---	---	---	- Biobased - Compostable - Rapidly renewable - Water-soluble	---	- Made from corn starch - HUB - Historically Underutilized Businesses include minority-owned, women-owned, disabled-owned, veteran-owned, and small (SBA 8(a), SDB, and HUB Zone) businesses
<b>Office Depot</b> Plastic Clipboards	Office Depot	X			---	---	---	---	Contains a minimum of 60% Post-consumer recycled content	---	---
<b>Office Depot</b> Wirebound Notebooks	Office Depot	X			---	---	---	---	- Rapidly renewable content - Biobased: paper is made with 80% sugarcane fiber		
<b>OfficeMax</b> 2-in-1 Deluxe Tape Dispenser	Office Max	X			---	CPG	---	---	30% post-consumer recycled content	---	Minority woman owned business
<b>OfficeMax</b> Biodegradable Packaging Peanuts	Office Max	X			---	---	---	---	- 100% biodegradable - Leaves no toxic waste - Static-free organic cornstarch	---	---
<b>OfficeMax</b> Calculator/POS Rolls	Office Max	X			---	CPG	---	---	40% post-consumer recycled paper	---	---
<b>OfficeMax</b> Continuous Form Paper	Office Max	X			---	CPG	---	---	30% post-consumer recycled paper	---	---
<b>OfficeMax</b> Durable Round Ring Nonglare View Binders	Office Max	X			---	CPG	---	---	- 100% post-consumer recycled chipboard - Total 42% recycled content	---	---
<b>OfficeMax</b> Flip Charts	Office Max	X			---	---	---	---	40% recycled paper	---	---
<b>OfficeMax</b> Heavy-Duty Storage Boxes	Office Max	X			---	---	---	---	78% post-consumer recycled content	---	---
<b>OfficeMax</b> Large Standard Sorter/Letter Tray/Drawer Combo	Office Max	X			---	CPG	---	---	30% post-consumer recycled content	---	---
<b>OfficeMax</b> Padded Mailers	Office Max	X			---	---	---	---	50% post-consumer recycled paper	---	---
<b>OfficeMax</b> Perforated and Prepunched Specialty Papers	Office Max	X			---	CPG	---	---	30% post-consumer recycled content	---	---

**OFFICE PRODUCTS (cont.)**

Product Name	Distribution			Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info	
	Company Name	IS	SO								OI
<b>OfficeMax</b> Perforated Pads	Office Max	X			---	CPG	---	---	- 100% recycled paper - Total 40% post-consumer recycled content	---	---
<b>OfficeMax</b> Permanent Filing Labels	Office Max	X			---	CPG	---	---	33% post-consumer recycled paper	---	---
<b>OfficeMax</b> Pocket Memo Books	Office Max	X			---	CPG	---	---	40% post-consumer recycled content	---	---
<b>OfficeMax</b> Quadrille Pads	Office Max	X			---	CPG	---	---	40% post-consumer recycled paper	---	---
<b>OfficeMax</b> Recycled File Tote	Office Max	X			---	---	---	---	30% post-consumer recycled content	1 / --	---
<b>OfficeMax</b> Recycled Inkjet Paper	Office Max	X			---	FSC Chain of Custody CPG	---	---	30% post-consumer recycled paper	---	---
<b>OfficeMax</b> Recycled Laser Paper	Office Max	X			---	FSC Chain of Custody CPG	---	---	30% post-consumer recycled paper	---	---
<b>OfficeMax</b> Recycled Letter/Legal File Box	Office Max	X			---	---	---	---	30% post-consumer recycled paper	---	---
<b>OfficeMax</b> Recycled Multipurpose Paper	Office Max	X			---	FSC Chain of Custody CPG	---	No chlorine or chlorine compounds	100% post-consumer recycled paper	---	---
<b>OfficeMax</b> Recycled Notebooks	Office Max	X			---	CPG	---	---	30% post-consumer recycled paper	---	---
<b>OfficeMax</b> Recycled Standard Staple Remover	Office Max	X			---	---	---	---	30% post-consumer recycled content	---	Woman-owned business
<b>OfficeMax</b> Remanufactured Ink and Toner Cartridges	Office Max	X			---	---	---	---	---	---	Keeps waste from entering landfills by utilizing used cartridges
<b>OfficeMax</b> Ruled Filler Paper	Office Max	X			---	SFI CPG	---	---	30% post-consumer recycled paper	---	---
<b>OfficeMax</b> White Mailing Tubes	Office Max	X			---	---	---	---	35% post-consumer recycled content	---	---
<b>OfficeMax</b> 1000 Series Premium Lateral Files	Office Max	X			---	ANSI/BIFMA CPG	---	---	30% post-consumer	---	---

**OFFICE PRODUCTS (cont.)**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>OfficeMax</b> 26 1/2"-Deep Commercial Vertical Files	Office Max	X			---	ANSI/BIFMA CPG	---	---	30% post-consumer	---	---
<b>OfficeMax</b> Gummed Pads	Office Max	X			---	CPG	---	---	40% post-consumer recycled paper	---	---
<b>OfficeMax</b> Hanging Folders	Office Max	X			---	CPG	---	---	95% post-consumer	---	---
<b>OfficeMax</b> Manila File Folders	Office Max	X			---	SFI CPG	---	---	30% post-consumer	---	---
<b>OfficeMax</b> Recycled Paper Clips	Office Max	X			---	---	---	---	50% post-consumer	---	---
<b>OfficeMax</b> Recycled Plastic Clipboards	Office Max	X			---	CPG	---	---	15% post-consumer	---	---
<b>OIC</b> Recycled Full-Strip Stapler	Office Max	X			---	---	---	---	20% post-consumer recycled plastic	---	Woman owned business
<b>Oxford</b> <b>Earth in Mind</b> Recycled Clear- Front Report Covers	Office Max	X			---	SFI CPG	---	---	100% post-consumer recycled paper	---	---
<b>Oxford</b> Manila Blank Card Guides	Office Max	X			---	SFI	---	---	10% post-consumer recycled content	---	---
<b>Oxford</b> Spiral-Bound Index Cards	Office Max	X			---	SFI	---	---	10% post-consumer recycled paper stock	---	---
<b>Paper Mate</b> <b>Write Bros.</b> Ballpoint Stick Pens	Office Depot	X			---	---	---	---	80% total recycled content	---	---
<b>Paper Mate</b> <b>Earth Write</b> Mechanical Pencils	HSC Office Products Office Max	X			---	---	---	---	- Biobased - Rapidly renewable	---	- Majority of components made from corn, a renewable resource - 20% lower carbon footprint per pen compared to conventional plastic pens
<b>Paper Mate</b> <b>Earth Write</b> Premium and Original Pencils	HSC Office Products Office Max	X			---	---	---	---	Pencil casings made with 100% recycled content	---	---
<b>Paper Mate</b> <b>Earth Write</b> Retractable Ballpoint Pen	HSC Office Products Office Max	X			---	---	---	---	- Biobased - Rapidly renewable	---	- Made from corn, an annually renewable resource - 22% lower carbon footprint per pen compared to conventional plastic pens

**OFFICE PRODUCTS (cont.)**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Pendaflex</b> Sorters	<b>Office Max</b>	X			---	SFI CPG	---	---	- Covers made with 30% Post-consumer recycled content - Dividers made with 10% Post-consumer recycled content	---	---
<b>Pendaflex</b> <b>CutLess/WaterShe</b> <b>d Colored File</b> Folder	<b>Office Max</b>	X			---	SFI CPG	---	---	30% Post-consumer	---	---
<b>Pendaflex</b> <b>Earthwise</b> <b>Recycled Colored</b> Hanging Folders	<b>Office Max</b>	X			---	SFI CPG	---	Acid-free	100% post-consumer (paper stock)	---	---
<b>Pendaflex</b> <b>Steel Reinforced</b> File Guides	<b>Office Max</b>	X			---	SFI	---	Acid-free	30% post-consumer (pressboard)	---	---
<b>Pentel</b> <b>EnerGel Deluxe</b> Gel Ink Pens	<b>Office Max</b>	X			---	CPG	---	---	50% post-consumer recycled content	---	---
<b>Pentel</b> <b>SXS15 Handy-Line</b> <b>S</b> Retractable, Refillable Highlighters	<b>Office Max</b>	X			---	---	---	---	- 54% pre-consumer recycled content - Refillable	---	---
<b>Pilot</b> <b>Precise BeGreen</b> Retractable Gel Ink Pen	<b>HSC Office Products</b> <b>Office Max</b>	X			---	CPG	---	---	82.5% post-consumer recycled content	---	---
<b>Pilot</b> Retractable Ballpoint Pens	<b>Office Max</b>	X			---	CPG	---	---	78% post-consumer recycled content	---	---
<b>Pilot</b> <b>RexGrip BeBreen</b> Mechanical Pencil	<b>Office Max</b>	X			---	---	---	---	71.9% pre-consumer	---	---
<b>Pilot</b> Rollerball Pens	<b>Office Max</b>	X			---	CPG	---	---	- 89% post-consumer recycled content - Refillable	---	---
<b>Pilot</b> <b>V Super Color</b> <b>BeGreen</b> Refillable Permanent Markers	<b>HSC Office Products</b> <b>Office Max</b>	X			---	---	---	---	- 92% pre-consumer recycled content - Refillable	---	---

**OFFICE PRODUCTS (cont.)**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Pitt Plastic Inc Re-Run</b> Can Liners	Office Max	X			---	CPG	---	---	10% post-consumer recycled content	---	Minority-owned business enterprise
<b>Quality Park</b> 2-Sided Inter-Department Envelopes	Office Max	X			---	CPG	---	---	20% post-consumer content	---	---
<b>Quality Park</b> Clear-Clasp Kraft Envelopes	Office Max	X			---	SFI Chain of Custody	---	---	---	---	---
<b>Quality Park</b> Foam-Lined Disk Mailers	Office Max	X			---	CPG	---	---	- 55% post-consumer paperboard - 100% recycled content	---	---
<b>Quality Park</b> Kraft Rolled Wrapping Paper	Office Max	X			---	---	---	---	50% post-consumer recycled content	---	---
<b>Quality Park</b> Poly Mailers and Jumbo Mailers	Office Max	X			---	---	---	---	Up to 25% post-industrial recycled content	---	---
<b>Quality Park</b> Redi-Seal Catalog Envelopes	Office Max	X			---	CPG	---	---	100% post-consumer recycled content	---	---
<b>Quality Park Reuseable Eco</b> Envelopes	Office Max	X			---	SFI Chain of Custody	---	---	- 30% post-consumer recycled content - Reuseable - Packaging is made from 75% recycled content and is reuseable	---	---
<b>Quartet Premium-Porcelain</b> Magnetic Markerboards	Office Max	X			---	Cradle to Cradle Silver (porcelain)	---	---	---	---	---
<b>Really Useful Boxes</b> 100% Recycled Storage Box	Office Depot	X			---	---	---	---	Contains 100% total recycled content	---	---
<b>Rebinder</b> 2-pocket presentation folder	Office Max	X			---	CPG	---	---	100% total recycled content: 15% pre-consumer, 85% post-consumer content	---	---
<b>Rebinder</b> Binders and Index Dividers	Office Depot Office Max	X			---	CPG	---	---	- Recycled corrugated cardboard or chipboard covers with 40-85% Post-consumer content - Durable	---	- Removeable, reusable ring mechanism - More durable than vinyl
<b>Rubbermaid</b> Recycling Container	Office Office Max	X			---	CPG	---	---	Made with 20- 30% post-consumer recycled content	---	---

**OFFICE PRODUCTS (cont.)**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>SAFCO</b> Customizable Signs	Office Max	X			---	GREENGUARD Indoor Air Quality	---	---	---	Limited Lifetime / --	---
<b>SAFCO</b> 5-Drawer Flat Files	Office Max	X			---	GREENGUARD Indoor Air Quality	---	---	---	---	---
<b>SAFCO</b> Computer Disk/Data Cabinet	Office Max	X			---	GREENGUARD Indoor Air Quality	---	---	---	---	---
<b>SAFCO</b> Door and Panel Coat Hooks	Office Max	X			---	GREENGUARD Indoor Air Quality	---	---	---	---	---
<b>Samsung</b> Printers	Office Max	X			---	ENERGY STAR	---	---	---	1 / --	---
<b>Scotch</b> <b>C-40 and C-38</b> Desktop Dispensers	Office Max	X			---	---	---	---	100% pre-consumer recycled material	---	---
<b>Simon</b> <b>Stor-A-File</b> Storage Boxes	Office Max	X			---	CPG	---	---	40% post-consumer recycled content	---	Minority-owned business enterprise
<b>SJ Paper</b> Color Index Cards	Office Max	X			---	---	---	---	10% post-consumer recycled content	---	Minority-owned business enterprise
<b>SJ PAPER</b> <b>Classification</b> Folios with Elastic Closures	Office Max	X			---	SFI CPG	---	---	30% post-consumer	---	Minority-owned business enterprise
<b>SJ PAPER Fusion</b> <b>6-in-1</b> Pressboard Classification Folders	Office Max	X			---	SFI CPG	---	---	30% post-consumer (covers)	---	Minority-owned business enterprise
<b>SJ PAPER</b> <b>Pressboard</b> End- Tab Classification Folders	Office Max	X			---	SFI CPG	---	---	30% post-consumer (covers)	---	Minority-owned business enterprise
<b>SJ PAPER</b> <b>Pressboard</b> File Folders	Office Max	X			---	SFI CPG	---	---	30% post-consumer (pressboard)	---	Minority-owned business enterprise
<b>SJ PAPER</b> <b>Water-/Paper-Cut- Resistant</b> <b>Reinforced</b> Manila File Folders	Office Max	X			---	CPG	---	---	30% post-consumer recycled content	---	Minority-owned business enterprise



**OFFICE PRODUCTS (cont.)**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>SJ PAPER</b> Water-and Paper-Cut-Resistant Colored End-Tab Folders	Office Max	X			---	SFI CPG	---	---	30% post-consumer recycled content	---	Minority-owned business enterprise
<b>Slim Jim</b> Station Recycling Container	Office Max	X			---	CPG	---	---	30% post-consumer recycled content	---	---
<b>SMEAD</b> Hanging Classification Folders Folders	Office Depot Office Max	X			---	SFI CPG	---	---	30% post-consumer (covers)	---	Woman owned business
<b>SMEAD</b> Tuff Expanding Wallets with Tab	Office Max	X			---	SFI CPG	---	---	30% post-consumer (paper stock)	---	Woman owned business
<b>South Coast</b> Paper <b>Boise Diverse</b> <b>Earth</b> Multipurpose Paper	Office Max	X			---	FSC Chain of Custody CPG	---	---	30% post-consumer (paper stock)	---	Minority-owned business enterprise
<b>Southworth</b> <b>Business 50%</b> <b>Recycled</b> Paper	Office Max	X			---	FSC Chain of Custody CPG	---	---	50% post-consumer recycled paper	---	---
<b>Stride</b> <b>ForeverGreen</b> <b>Recyclable Kraft</b> <b>Eco</b> Binders	Office Max	X			---	CPG	---	---	- 80% post-consumer recycled chipboard - Quick release D-rings removable for reuse - All components recyclable at the end of useful life	---	---
<b>Stride</b> <b>QuickFit Ledger</b> <b>Antimicrobial</b> View Binders	Office Max	X			---	CPG	---	---	50% post-consumer recycled plastic	---	- Antimicrobial vinyl helps prevent growth of bacteria and mold on the surface - Woman owned business
<b>Targus</b> <b>Spruce EcoSmart</b> Messenger Bag	Office Max	X			---	---	---	---	Fabric: 80% post-consumer recycled plastic bottles	Limited lifetime / --	---
<b>TENNSCO</b> <b>Add-A-Stack</b> Steel Shelving System	Office Max	X			---	CPG	---	---	30% post-consumer	---	---

**OFFICE PRODUCTS (cont.)**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Ticonderoga Renew Recycled Tire Pencils</b>	Office Max	X			---	---	---	---	Pencil casings are made from 20% post-consumer recycled content	---	---
<b>Tops Docket Diamond Top Wirebound Planner</b>	Office Max	X			---	CPG	---	---	30% post-consumer recycled content	---	---
<b>Tops Second Nature Recycled Steno Pad</b>	Office Max	X			---	CPG	---	---	- 100% recycled paper - 40% post-consumer recycled content	---	---
<b>Tops Writing Tablets</b>	Office Max	X			---	CPG	---	---	40% post-consumer recycled paper	---	---
<b>Tripp Lite ECO Series UPS System</b>	Office Max	X			---	RoHS	---	---	99% energy efficiency	---	ECO outlets automatically turns off idle equipment
<b>Virtuo Legal Pads</b>	Office Max	X			---	CPG	---	---	30% post-consumer recycled paper	---	---
<b>VTECH 2-Line DECT 6.0 Expandable Cordless Answering System</b>	Office Max	X			---	ENERGY STAR	---	---	---	1 / --	---
<b>Wescott iPoint Razor KleenEarth Recycled Pencil Sharpener</b>	Office Max	X			---	---	---	---	- 70% recycled content - 30% post-consumer recycled content	---	---
<b>Westcott Kleenearth with Microban Protection Scissors</b>	Office Max	X			---	---	---	---	- Handles made with 70% recycled plastic - Total 30% post-consumer recycled content	10 / --	---
<b>Wilson Jones Round-Ring Binders</b>	Office Depot Office Max	X			---	CPG	---	---	50% total recycled content with minimum of 43% post-consumer recycled content	---	Made with 100% recycled chipboard
<b>Xerox Copiers and printers</b>	Office Max	X			---	ENERGY STAR	---	---	---	---	---
<b>Xerox Recycled multipurpose paper</b>	Office Depot	X			---	---	---	---	30% post-consumer recycled content	---	---

## VEHICULAR PRODUCTS

### LOOK FOR PRODUCTS WITH:

- Reclaimed, Reused and/or Recycled content
- Cleaning supplies that are: Water-based, Rapidly renewable and/or Biodegradable
- Zero or Low VOC
- Recyclability

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
Wheel stops, Bollards, Posts Vehicular products	American Plastic Lumber, Inc.		X		Shingle Springs, CA	---	---	---	- Rapidly renewable - Reused - 95-100% recycled, +/- 65% post-consumer, 35% post-industrial - Reusable - Recyclable	20-50 / 20-50	- Non-toxic during manufacturing and in the environment - Durable, resists water and mildew
Biodiesel	Big Island Biodiesel Pacific Biodiesel, Inc.	X			Kahului, HI	---	---	Less toxic than table salt	- Energy efficient: blend of 20% biodiesel and 80% petroleum diesel is comparable to pure petroleum diesel fuel - Durable: improved lubricity compared to conventional diesel fuel, leading to longer engine life - Biodegradable at the rate of sugar	---	- Is a safer alternative to petroleum diesel - Reduces emissions of smoke, sulfur dioxide, particulate matter, carbon monoxide and aromatics
Aqua-Sol Water based degreaser	Certified Laboratories	X			USA	---	Zero VOC	---	- Water-based - Biodegradable	-- / 2	Environmentally and user friendly
Diesel Mate Fuel improver/stabilizer	Certified Laboratories	X			USA	---	Zero VOC	---	- Energy efficient - Reduces emissions	-- / 2	- Increases mileage 5-10% - Reduces emissions
Free Penetrant and release agent	Certified Laboratories	X			USA	---	Zero VOC	---	---	---	Penetrates rusted nuts and bolts
Kustom 221 Parts washing solvent	Certified Laboratories	X			USA	---	Zero VOC	---	- Recyclable - Non flammable	2 / 2	User friendly parts washing solvent
Mile Hi Gasoline Treatment	Certified Laboratories	X			USA	---	Zero VOC	---	Energy efficient	---	Improves gasoline mileage, reduces carbon build up in engine, increases octane
Premalube Aluminum Complex Grease	Certified Laboratories	X			---	---	Zero VOC	---	- Energy efficient	-- / 2	Longer lasting lubricant, higher temperature increasing energy efficiency
X-433 Chain and Cable lubricant	Certified Laboratories	X			---	---	Zero VOC	---	---	-- / 2	Conditions wire rope and chains to prevent wear and rust

## VEHICULAR PRODUCTS (cont.)

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Eco-Clean Green Drying Towel</b> Automotive or home use	City Mill	X			USA	---	---	---	- Rapidly renewable - Biobased	---	- Made from bamboo fibers - Naturally anti-bacterial
<b>Suck-em-Up Oil Change Box</b>	Island Shell LLC dba Environmental Manufacturing	X			Hawaii	---	---	---	- Reused - Recycled	---	- Made in Hawaii using waste paper - Reduces trash going to landfill - Uses a local resource (waste paper) - Provides jobs locally and reduces imports
<b>Petro- Canada Eco-Hydraulic Oil</b>	Leeward Petroleum, Inc.	X			USA and Canada	ISO 14001	---	Non-toxic	Biodegradable	---	Not environmentally toxic based on <a href="#">United Nations Globally Harmonized System (GHS) criteria</a>
<b>Petro- Canada Re-refined lubricants</b>	Leeward Petroleum, Inc.	X			USA and Canada	ISO 14001	---	---	- Reused - Recyclable	---	- Re-refined oil reduces demand for virgin petroleum - Reduces Hawaii's dependence on imported oil products
<b>Speed Bump Traffic Calming Speed Bump</b>	Safety Systems Hawaii, Inc.	X			USA	---	---	---	100% recycled tire rubber	---	---
<b>Wheel Stop Parking lot wheel stops</b>	Safety Systems Hawaii, Inc.	X			USA	---	---	---	100% recycled plastic	---	---
<b>Freedom ONE Waterless Car Wash</b>	Toolmaster Hawaii Inc	X			Fircrest, WA	---	---	---	- Water-based - Biodegradable	---	Conserves water resources
<b>Stihl BioPlus Vegetable oil base bar and chain lubricant</b>	Toolmaster Hawaii Inc	X			Visalia, CA	---	---	---	- Biobased: vegetable oil base - Biodegradable	---	93.8 % biodegradable in 21 days
<b>Wheego Electric Cars</b>	Wheego Electric Cars, Inc.	X			Ontario, CA	---	---	---	- Energy efficient: 100% electric car, not a hybrid, no gas, no emissions - Eco meter in dash, that gives information in how efficiently the car is being driven	---	- Qualifies for federal tax credit - Hawaii state tax credit: rebate up to 20% of cost of EV; cap of \$4500; while funds last. Rebate up to 30% of charging station; cap of \$500; while funds last

**SERVICES**

Service Type	Company Name	Description	Environmentally Preferable Features
<b>Recycling services</b>	<b>Aloha Recycling</b>	Certified Redemption Center for HI5 beverage container refunds	Recycling saves energy, natural resources and landfill space; by recycling, we help the environment and save the land for future generations
<b>LEED commissioning, project coordination and consulting</b>	<b>AMEL Technologies, Inc.</b>	Provides engineering and consulting services in Mechanical Engineering, Geotechnical Engineering and Construction Management and also provides services in LEED coordination, commissioning, energy audit, and energy modeling	<ul style="list-style-type: none"> <li>- US Green Building Council member</li> <li>- Provides life-cycle cost analysis to identify the most cost-effective means of reducing building energy consumption as well as building energy use modeling, energy feasibility studies, and energy benchmarking</li> <li>- HVAC and plumbing design consulting to meet or exceed the requirements of the U.S. Green Building Council's LEED rating systems</li> </ul>
<b>Grease Trap and Used Cooking Oil Recycling</b>	<b>Cleanway, Inc.</b>	Pick-up of grease trap waste and used cooking oil for local recycling into biodiesel.	Keeps waste oils out of landfills waste water systems and into local, sustainable biodiesel production
<b>Newsletter</b>	<b>Environment Hawaii, Inc.</b>	Non-commercial monthly newsletter covering conservation issues in Hawaii	Helps educate subscribers about environmental issues impacting the Hawaiian islands
<b>Consulting-Testing-Certification</b>	<b>Green Building LLC</b>	Helps homeowners, developers, architects, designers and engineers to design and build high performance buildings and homes in Hawai'i	Full-service LEED and energy consultants. LEED credits target sustainable site development, water savings, energy efficiency, materials and resources selection, and indoor environmental quality
<b>Plant grower and consultation</b>	<b>Hawaiian Sunshine Nursery</b>	Grow plants for Live Roof vegetated roofing system, also provide plant consultation	<ul style="list-style-type: none"> <li>- Reduces storm water runoff</li> <li>- Increase useful lifespan of roof</li> <li>- Reduces heat island effect</li> <li>- Sequesters carbon</li> <li>- Reduces power consumption by providing additional insulation</li> <li>- Removes VOC's</li> <li>- Creates additional wildlife habitat</li> </ul>
<b>Recycling services</b>	<b>Honolulu Recovery Systems Inc.</b>	Process and ship to market thousands of tons of cardboard, newspaper, aluminum, plastic and glass every month	Keeps recyclables out of Hawaii's precious and limited landfills
<b>Green-waste composting</b>	<b>Kauai Nursery and Landscaping, Inc.</b>	Accepts green-waste for composting	<ul style="list-style-type: none"> <li>- Keeps green-waste from entering landfills</li> <li>- Provides local source for compost materials</li> </ul>
<b>Full-service landscaping</b>	<b>Kauai Nursery and Landscaping, Inc.</b>	Landscape design, consulting and maintenance company	<ul style="list-style-type: none"> <li>- Utilize native plantings in landscape installations</li> <li>- Protects and maintains ecologically sensitive sites, and also provides erosion control and site drainage</li> <li>- Offers native plant species for sale</li> </ul>
<b>Home building, remodeling and renovation</b>	<b>Mokulua Woodworking, Ltd.</b>	Full service green building by only certified green builder in Hawaii (by National Association of Homebuilders)	Building third party certified (LEED and/or <a href="#">NGBS</a> ) homes that are more efficient, environmentally responsible and healthy for homeowners.
<b>Cabinetry, doors, millwork and other custom woodworking</b>	<b>Mokulua Woodworking, Ltd.</b>	Full service cabinet, doors and woodworking shop	Manufacturing sustainable products with available third party certification, using local and reclaimed materials from deconstructed homes to local fell timber

**OFFICE PRODUCTS (cont.)**

Product Name	Distribution				Origin of Supply	Third Party Certification	VOC Levels	Toxicity	Environmentally Preferable Features	Warranty/Lifespan	Additional Info
	Company Name	IS	SO	OI							
<b>Zebra Eco Jimne Retractable</b> Ballpoint Pens	Office Max	X			---	CPG	---	---	75% post-consumer recycled content	---	---
<b>Zebra Eco Sarasa</b> Clip Retractable Gel Pens	Office Max	X			---	CPG	---	---	81% post-consumer recycled content	---	---
<b>Zebra Eco Zebrite</b> Double-Ended Highlighters	Office Max	X			---	---	---	---	74% post-consumer recycled content	---	---

**SERVICES (cont.)**

Service Type	Company Name	Description	Environmentally Preferable Features
<b>Tree cutting and removal</b>	<b>Mokulua Woodworking, Ltd.</b>	Removing fell timber and resawing for use in cabinet shops, furniture shops and local wood crafts	Prevents mulching and green waste, preserves local timber and exotics for local use and dilutes the need to import exotic wood species
<b>Furniture, cabinetry and specialty millwork</b>	<b>Mokulua Woodworking, Ltd.</b>	Constructing furniture, cabinets and millwork from local fell timber	<ul style="list-style-type: none"> <li>- Keeps local timber from being mulched or entering green waste, uses raw material that would normally be wasted</li> <li>- Promotes local timber and not imported products, supports Hawaii's economy</li> </ul>
<b>Third party consulting and development</b>	<b>Mokulua Woodworking, Ltd. Michael P. Fairall</b>	Third party consultation, management and project development for certification in <a href="#">NGBS</a> or LEED	Educating developers, architects, builders and interested public on the importance of building to standard of <a href="#">NGBS</a> or programs such as LEED. Offering cost savings packages for supplies and certification for developments, homes and offices
<b>Third-party inspection, verification, and certification</b>	<b>Pacific SBS</b>	Third-party inspection, testing, and certification services for ENERGY STAR, LEED, RESNET Approved Home Energy Rating Systems (HERS) services as well as Energy Audit for residential and commercial	<ul style="list-style-type: none"> <li>- Providing necessary support and QA services to <a href="#">RESNET</a>-Approved <a href="#">HERS</a> Raters, <a href="#">HESP</a> Surveyors, and BPI Analysts that enable them to act as independent verifiers</li> <li>- Providing third-party residential energy audits to homeowners and builders who wish to obtain a HERS score on their homes or to learn about ways to improve the overall efficiency of new or existing homes</li> </ul>
<b>Residential and Commercial Building Water Audit</b>	<b>Pacific SBS</b>	Third-party, non-biased water auditing and leak detection services for residential and commercial buildings	Providing residential and commercial building owners and property managers with the necessary leak detection and AWWA-standard auditing to minimize their water loss and maximize their savings
<b>LEED Consulting</b>	<b>Pacific SBS</b>	LEED project consulting and management services	Providing LEED Project Teams with project-specific green building consulting, LEED project management, document management, and LEED-specific trades coordination
<b>Building Commissioning</b>	<b>Pacific SBS</b>	Fundamental and Enhanced Commissioning services	Providing whole building, fundamental commissioning and enhanced commissioning services for LEED and non-LEED projects to ensure that buildings are operating at their maximum efficiency, while meeting owner requirements
<b>Air Barrier Leakage Testing/ Building Envelope Commissioning</b>	<b>Pacific SBS</b>	Building Envelope Leakage Testing	Providing envelope leakage testing and inspection in accordance with ASTM E779, E1186, and C 1060 for USACE/NAVFAC LEED projects.
<b>Furniture restoration</b>	<b>PF Restoration Company</b>	Recycle/refurbish metal furniture	<ul style="list-style-type: none"> <li>- Keeps items from entering the landfill</li> <li>- Reduces raw material demand for production of new products</li> </ul>
<b>Recycling services</b>	<b>Plas-Tech Ltd.</b>	Acetone recycling	Reduces amount of hazardous waste material for disposal
<b>Consulting- Testing- Certification</b>	<b>Pohaku Consulting</b>	Full service green building, testing and inspection firm specializing in verification of homes and developments desiring to get their project officially certified under the National Green Building Standard	Home Energy Rater authorized to inspect and test homes for compliance with the ENERGY STAR New Homes program

<b>SERVICES (cont.)</b>			
<b>Service Type</b>	<b>Company Name</b>	<b>Description</b>	<b>Environmentally Preferable Features</b>
<b>Used Material Resource, Deconstruction Services &amp; Waste Reduction Consulting</b>	<b>Re-use Hawai'i</b>	<ul style="list-style-type: none"> <li>- Non-profit organization is a licensed demolition contractor providing full scope of Deconstruction Services for residential, industrial, and commercial projects</li> <li>- Free waste reduction consulting service.</li> <li>- Used building material warehouse open to the public</li> </ul>	<ul style="list-style-type: none"> <li>- Deconstruction preserves material for reuse and recycling and minimizes construction and demolition waste from entering local landfills</li> <li>- Buying locally produced, salvaged material instead of new saves trees and energy, and minimizes the need to harvest, produce, transport, and distribute new material</li> </ul>
<b>Wastewater Treatment</b>	<b>Roth Ecological Design International, LLC (REDI)</b>	Converts wastes to resources by producing flowers, fodder, and water ready for reuse	<ul style="list-style-type: none"> <li>- USGBC member</li> <li>- Water conserving</li> <li>- Energy efficient: does not require external energy to operate</li> <li>- Qualifies for LEED credits</li> <li>- Considerable lower O&amp;M costs vs. conventional packaged treatment plants</li> </ul>
<b>Stormwater Treatment Best Management Practices</b>	<b>Roth Ecological Design International, LLC (REDI)</b>	Wastewater treatment services include surface flow wetlands, restorers (floating wetland islands), rain gardens, and bioswales	<ul style="list-style-type: none"> <li>- USGBC member</li> <li>- Water conserving</li> <li>- Improves wildlife habitat and human health by using natural systems technologies to clean stormwater runoff</li> </ul>
<b>Water Features / Wetland Technologies</b>	<b>Roth Ecological Design International, LLC (REDI)</b>	Wetland technologies can serve as landscaped, living filters for commercial water features to maintain high water quality and aesthetic standards, while providing O&M cost savings and aquaculture potential	<ul style="list-style-type: none"> <li>- USGBC member</li> <li>- Water conserving</li> <li>- Energy efficient: uses a low-energy circulation system to maximize the volume of water through the wetland system to remove algae and nutrients</li> </ul>
<b>Entertainment: music</b>	<b>Safe Day Events</b>	Educators on a mission to make a better world in a concert/conference combo for events, conventions and parties	Since early 80's, the roots of Breath of Fire Band, as the Allright Family Band did benefits and concerts inspiring "earth day" missions; we now continue this with young celebrities and talent
<b>Consulting-Testing-Certification</b>	<b>Woodbury Green Building Consultation</b>	Provides sustainable building consultation, verification inspection and performance testing	Certified to meet the highest national Green Building industry standards as a LEED Accredited Professional, and ENERGY STAR Rater, and is also a member of the US Green Building Council and Residential Energy Services Network (RESNET)
<b>Reusable and Surplus Building Material</b>	<b>Habitat for Humanity ReStores</b>	<ul style="list-style-type: none"> <li>- Nonprofit organization</li> <li>- ReStore resale outlets sell reusable and surplus building materials to the public</li> <li>- Proceeds help local Habitat affiliates fund the construction of Habitat homes within their communities</li> </ul>	<ul style="list-style-type: none"> <li>- ReStore resale outlets provide an environmentally and socially responsible way to keep good, reusable materials out of the waste stream while providing funding for Habitat's community improvement work</li> <li>- Buying locally salvaged materials instead of new saves resources, energy, and minimizes the need to harvest, produce, transport and distribute new material.</li> </ul>
<b>Education &amp; Training: Homeownership, Financial Literacy, Home Building/Repair</b>	<b>Training Center at Kalaeloa - Nanakuli Housing Corporation</b>	<ul style="list-style-type: none"> <li>- Culturally-based education and training in homeownership and financial literacy</li> <li>- Train eligible families to do self-help repairs</li> <li>- Programs are provided free of charge to families of low to moderate income, primarily Hawaiian Homestead families on the island of O'ahu</li> </ul>	<ul style="list-style-type: none"> <li>- Homeownership builds a vested interests in the local environment</li> <li>- Increases mortgage success rates ensure longterm ownership</li> <li>- Increase home durability through maintenance and repairs reduces the need for new materials</li> <li>- Building with locally produced materials saves resources, energy and minimizes the need to harvest, produce, transport and distribute new material</li> </ul>
<b>Reusable and Surplus Building Material</b>	<b>Baseyard Sand Island - Nanakuli Housing Corporation</b>	<ul style="list-style-type: none"> <li>- Collects and distributes reusable, surplus construction materials to families, schools and nonprofit organizations at little or no cost</li> <li>- Excess materials are made available to the public at a discount and proceeds are used to fund NHC's programs</li> </ul>	<ul style="list-style-type: none"> <li>- Provide environmentally and socially responsible way to keep good, reusable materials out of the waste stream while providing funding for NHC's community improvement work</li> <li>- Buying locally salvaged materials instead of new saves resources, energy, and minimizes the need to harvest, produce, transport and distribute new material</li> </ul>



# V. APPENDICES

## Appendix A. EPA Comprehensive Procurement Guidelines: Additional Product Types

### Construction Products (additional)

#### Modular Threshold Ramps

Material	Postconsumer Content (%)	Total Recovered Material Content (%)
Steel <sup>1</sup>	16-67	25-100
Aluminum	--	10
Rubber	100	100

#### Nonpressure Pipe

Material	Postconsumer Content (%)	Total Recovered Material Content (%)
Steel	16 67	25-30 100
HDPE	100	100
PVC	15-May	25-100
Cement	Refer to the cement and concrete specifications	

#### Railroad Grade Crossing Surfaces

Surface Material	Recovered Material	Postconsumer Content (%)	Total Recovered Material Content (%)
Concrete	Coal Fly Ash <sup>2</sup>	--	15-20
Rubber <sup>3</sup>	Tire rubber	--	85-95
Steel	Steel	16 67	25-30 100
Wood <sup>4</sup>	Wood or Wood Composite	90-97	90-97
Plastic <sup>5</sup>	Plastic or plastic composite	85-95	100

<sup>1</sup> The recommended recovered materials content levels for steel in this table reflect the fact that the designated item may contain steel manufactured in either a Basic Oxygen Furnace (BOF) or an Electric Arc Furnace (EAF), or a combination of both. Steel from the BOF process contains 25% - 30% total recovered steel, of which 16% is postconsumer. Steel from the EAF process contains 100% total recovered steel, of which 67% is postconsumer. According to industry sources, modular threshold ramps containing a combination of BOF and EAF steel would contain 25% - 85% total recovered steel, of which 16% - 67% would be postconsumer. Since there is no way of knowing which type of steel was used in the manufacture of the item, the postconsumer and total recovered material content ranges in this table encompass the whole range of possibilities, i.e., the use of EAF steel only, BOF steel only, or a combination of the two. These recommendations are for modular threshold ramps. EPA understands that ramps may also be constructed of cement and concrete. For these ramps, procuring agencies should follow the procurement guidelines for cement and concrete containing recovered materials.

<sup>2</sup> Coal fly ash can be used as an ingredient of concrete slabs, pavements, or controlled density fill product, depending on the type of concrete crossing system installed. Higher percentages of coal fly ash can be used in the concrete mixture; the higher percentages help to produce more workable and durable product but can prolong the curing process.

<sup>3</sup> The recommended recovered materials content for rubber railroad grade crossing surfaces are based on the weight of the raw materials, exclusive of any additives such as binders or adhesives.

<sup>4</sup> Railroad grade crossing surfaces made from recovered wood may also contain other recovered materials such as plastics. The percentages of these materials contained in the product would also count toward the recovered materials content level of the item.

<sup>5</sup> Railroad grade crossing surfaces made from recovered plastics may also contain other recovered materials such as auto shredder residue, which contains a mix of materials. The percentages of these materials contained in the product would also count toward the recovered materials content level of the item.

## Construction Products (additional, cont.)

### Roofing Materials

Material	Postconsumer Content (%)	Total Recovered Material Content (%)
Steel*	16 67	25-30 100
Aluminum	20-95	20-95
Fiber (felt) for Fiber Composite	50-100	50-100
Rubber	12-100	100
Plastic or Plastic/Rubber Composite	100	100
Wood/Plastic Composite	--	100
Cement	Refer to the cement and concrete specifications	

### Shower and Restroom Dividers / Partitions

Material	Postconsumer Content (%)	Total Recovered Material Content (%)
Steel	16 67	25-30 100
Plastic	20-100	20-100

### Structural Fiberboard and Laminated Paperboard<sup>6</sup>

Product	Material	Postconsumer Content (%)	Total Recovered Material Content (%)
Structural Fiberboard	--	--	80-100
Laminated Paperboard	Postconsumer Paper	--	100

## Nonpaper Office Products (additional)

### Office Recycling Containers and Waste Receptacles

Material	Postconsumer Content (%)	Total Recovered Materials Content (%)
Plastic	20-100	--
Steel	16	25-30
<b>Paper</b>		
Corrugated	25-50	25-50
Solid Fiber Boxes	40	--
Industrial Paperboard	40-80	100

\* See page 138 for reference

<sup>6</sup> The recovered materials content levels are based on the weight (not volume) of materials in the insulating core only.

## Nonpaper Office Products (additional, cont.)

### Plastic Desktop Accessories<sup>7</sup>

Product	Material	Postconsumer Content (%)
Plastic Desktop Accessories	Polystyrene	25-80

### Plastic Envelopes<sup>8</sup>

Material	Postconsumer Content (%)	Total Recovered Materials Content (%)
Plastic	25	25-30

### Plastic Trash Bags<sup>9</sup>

Product	Material	Postconsumer Content (%)
Plastic Trash Bags	Plastic	10-100

### Printer Ribbons<sup>10</sup>

Recommendations for Printer Ribbons
Procure reinked or reloaded printer ribbons
Procure printer ribbon reinking or reloading services

### Toner Cartridges

Recommendations for Toner Cartridges
Procure remanufacturing services for expended cartridges
Obtain remanufactured toner cartridges or new toner cartridges made with recovered materials when remanufacturing is not possible

## Paper and Paper Products (additional)

### Miscellaneous Paper Products

Item	Postconsumer Fiber (%)	Recovered Fiber (%)
Tray Liners	50-75	100

<sup>7</sup> EPA's recommendation does not preclude procuring agencies from purchasing a desktop accessory manufactured from another material, such as paper, wood or steel. It simply recommends that, when purchasing plastic desktop accessories, procuring agencies purchase these items made from recovered materials.

<sup>8</sup> EPA's recommendation does not preclude procuring agencies from purchasing envelopes from another material such as paper. It simply requires that a procuring agency, when purchasing plastic envelopes made from plastic, purchase these items made from recovered materials when these items meet applicable specifications and performance requirements.

<sup>9</sup> EPA's recommendation does not preclude procuring agencies from purchasing a trash bag manufactured using another material, such as paper. It merely recommends that procuring agencies, when purchasing plastic trash bags, purchase items made from recovered materials.

<sup>10</sup> Minimum content standards are not appropriate for remanufactured items, such as printer ribbons, because a core part of the item is reused in the new product, even though certain components of a printer ribbon might contain recovered materials.

## Park and Recreation Products

### Park Benches and Picnic Tables

Product	Postconsumer Content (%)	Total Recovered Materials Content (%)
Plastics <sup>11</sup>	90-100	100
Plastic composites	50-100	100
Aluminum	25	25
Concrete	--	15-40
Steel*	16 67	25-30 100

### Plastic Fencing<sup>12</sup>

Material	Postconsumer Content (%)	Total Recovered Materials Content (%)
Plastics	60-100	90-100

### Playground Equipment

Material	Postconsumer Content (%)	Total Recovered Materials Content (%)
Plastics <sup>13</sup>	90-100	100
Plastic composites	50-75	95-100
Steel*	16 67	25-30 100
Aluminum	25	25

## Park and Recreation Products (cont.)

### Playground Surfaces<sup>14</sup>

Material	Postconsumer Content (%)
Rubber or Plastic	90-100

### Running Tracks<sup>15</sup>

Material	Postconsumer Content (%)
Rubber or Plastic	90-100

<sup>11</sup> "Plastics" includes both single and mixed plastic resins. Park benches and picnic tables made with recovered plastics may also contain other recovered materials such as sawdust, wood, or fiberglass. The percentage of these materials contained in the product would also count toward the recovered materials content level of the item.

\* See page 138 for reference

<sup>12</sup> Designation includes fencing containing recovered plastic for use in controlling snow or sand drifting and as a warning/safety barrier in construction or other applications.

<sup>13</sup> "Plastics" includes both single and mixed plastic resins. Playground equipment made with recovered plastics may also contain other recovered materials such as wood or fiberglass. The percentage of these materials contained in the product would also count toward the recovered materials content level of the item.

<sup>14</sup> EPA's recommendation does not preclude procuring agencies from purchasing playground surfaces manufactured from another material. It simply recommends that procuring agencies, when purchasing playground surfaces made from rubber or plastic, purchase these items made from recovered materials. The recommended recovered materials content levels are based on the dry weight of the raw materials, exclusive of any additives such as adhesives, binders, or coloring agents.

<sup>15</sup> EPA's recommendation does not preclude procuring agencies from purchasing running tracks manufactured from another material. It simply recommends that procuring agencies, when purchasing running tracks made from rubber or plastic, purchase these items made from recovered materials. The recommended recovered materials content levels are based on the dry weight of the raw materials, exclusive of any additives such as adhesives, binders, or coloring agents.

## Transportation Products

### Channelizers, Delineators, and Flexible Delineators<sup>16</sup>

Product	Material	Postconsumer Content (%)	Total Recovered Materials Content (%)
Channelizers	Plastic	25-95	25-95
	Rubber** (base only)	100	100
Delineators	Plastic	25-90	25-90
	Rubber (base only)	100	100
	Steel* (base only)	16 67	25-30 100
Flexible Delineators	Plastic	25-85	25-85

## Transportation Products (cont.)

### Parking Stops<sup>17</sup>

Material	Postconsumer Content (%)	Total Recovered Materials Content (%)
Plastics and/or Rubber <sup>18</sup>	100	--
Concrete Containing Coal Fly Ash <sup>19</sup>	--	20-40 <sup>3</sup>
Concrete Containing Ground Granulated Blast Furnace Slag (GGBF)	--	25-70

### Traffic Barricades

Material	Postconsumer Content (%)	Total Recovered Materials Content (%)
Plastics (HDPE, LDPE, PET)	80-100	100
Steel*	16 67	25-30 100
Fiberglass	--	100

<sup>16</sup> EPA's recommendation does not preclude a procuring agency from purchasing channelizers, delineators, or flexible delineators manufactured from another material. It simply requires that a procuring agency, when purchasing these items made from rubber, plastic, or steel, purchase them made with recovered materials when these items meet applicable specifications and performance requirements.

\*\* See page 138 for reference

\* See page 138 for reference

<sup>17</sup> Transportation products containing recovered materials must conform to the Manual on Uniform Highway Traffic Control Devices used by the Federal Highway Administration, as well as other applicable federal requirements and specifications.

<sup>18</sup> Parking stops made with recovered plastics may also include other recovered materials such as sawdust, wood, or fiberglass. The percentage of these materials contained in the product would also count toward the recovered materials content level of the parking stops.

<sup>19</sup> Generally, 20 to 30 percent, but could be up to 40 percent. Fifteen percent when used as a partial cement replacement as an admixture in concrete.

## Traffic Cones

[Return to Table Of Contents](#)

Material	Postconsumer Content (%)	Total Recovered Materials Content (%) <sup>20</sup>
Plastics (PVC and LDPE)	--	50-100
Crumb rubber	--	50-100

## Vehicular Products

### Engine Coolants

Recommendations for Recovered Engine Coolants
EPA recommends that procuring agencies whose vehicles are serviced by a motor pool or vehicle maintenance facility establish a program for engine coolant reclamation and reuse that consists of either reclaiming the spent engine coolants onsite for use in the agencies' vehicles or establishing a service contract for reclamation of the agencies' spent engine coolant for use in the agencies' vehicles.
EPA also recommends that procuring agencies request reclaimed engine coolant when having their vehicles serviced at commercial service centers. Additionally, EPA recommends that agencies purchase reclaimed engine coolant when making direct purchases of this item, such as when necessary to make up for losses due to leakage or spillage.

## Vehicular Products (cont.)

### Engine Coolants (cont.)

Recommendations for Recovered Engine Coolants (cont.)
EPA does not recommend one type of engine coolant over another. EPA recommends, however, that procuring agencies purchase engine coolant containing only one base chemical, typically ethylene glycol or propylene glycol, to prevent the commingling of incompatible types of engine coolant.

### Rebuilt Vehicular Parts

Recommendations for Rebuilt vehicular Parts
EPA recommends that procuring agencies whose vehicles (passenger vehicles as well as medium- and heavy-duty equipment, including trucks, cranes, off-road vehicles, and military vehicles) are serviced by a motor pool or vehicle maintenance facility establish a service contract to require the use of rebuilt vehicular parts in the agencies' vehicles or establish a program for vehicular parts rebuilding and reuse consisting of either recovering a used vehicular part and rebuilding it, replacing it with a rebuilt part, or contracting to have the part replaced with a rebuilt part. This designation applies to vehicles served by both on-site and commercial facilities.
To be labeled "rebuilt" or "remanufactured," a part must be processed in accordance with the FTC's "Guides for the Rebuilt, Reconditioned and Other Used Automotive Parts Industry," 16 CFR Part 20.

<sup>20</sup> The recommended recovered materials content levels are based on the dry weight of the raw materials, exclusive of any additives such as adhesives, binders, or coloring agents.

## Re-Refined Lubricating Oil

### Recommendations for Re-Refined Lubricating Oil

EPA recommends that procuring agencies set their minimum re-refined oil content standard at the highest level of re-refined oil that they determine meets the statutory requirements of RCRA section 6002(c)(1), but no lower than 25 percent re-refined oil.

EPA recommends that procuring agencies review their procurement practices and eliminate those which would inhibit or preclude procurement of lubricating oils containing re-refined oil. For example, procuring agencies should review the practices of inviting bids and issuing contracts to do the following:

- Supply a broad range of lubricating oil products on an “all or none” basis.
- Supply lubricating oils for an excessively long period of time.
- Deliver lubricating oils to geographic locations throughout the United States or to an excessively broad geographic area. Supply excessively large contract quantities.

## Retread Tires

### Recommendations for Retread Tires

EPA recommends that procuring agencies establish preference programs consisting of two components:

- Procurement of tire retreading services for the agencies’ used tire casings:

EPA recommends that procuring agencies specify that tire repair and retread services must conform to Federal Specification ZZ-T-441H (or current version).

- Procurement of tires through competition between vendors of new tires and vendors of retread tires:

EPA recommends that procuring agencies specify that retread tires must meet the requirements of Federal Specification ZZ-T-381, “Tires, Pneumatic, Vehicular (Highway) (New and Retreaded).

## Miscellaneous Products

### Awards and Plaques<sup>21</sup>

Material	Postconsumer Content (%)	Total Recovered Materials Content (%)
Glass	75-100	100
Wood	--	100
Paper	40-100	40-100
Plastic and Plastic/Wood Composite	50-100	95-100

### Bike Racks

Material	Postconsumer Content (%)	Total Recovered Materials Content (%)
Steel *	16	25-30
HDPE	100	100

<sup>21</sup> EPA’s recommendations do not preclude a procuring agency from purchasing awards and plaques manufactured from other materials. They simply require that a procuring agency, when purchasing glass, wood, paper, or plastic awards or plaques, purchase these items containing recovered materials when the item meets applicable specifications and performance requirements.

\* See page 138 for reference

## Blasting Grit

Material	Postconsumer Content (%)	Total Recovered Materials Content (%)
Steel *	16-67	25-100
Coal Slag	--	100
Copper and Nickel Slag	--	100
Bottom Ash	--	100
Glass	100	100
Glass/Plastic	20	100
Fused Alumina Oxide	100	100
Walnut Shells	--	100

## Industrial Drums<sup>22</sup>

Product	Material	Postconsumer Content (%)	Total Recovered Materials Content (%)
Steel Drums	Steel <sup>2</sup>	16	25-30
Plastic drums	HDPE	30-100	30-100
Fiber drums	Paper	100	100

## Miscellaneous Products (cont.)

### Manual-Grade Strapping

Product	Material	Postconsumer Content (%)	Total Recovered Materials Content (%)
Polyester strapping	PET	50-80	50-85
Polypropylene strapping	PP	-	Oct-40
Steel strapping <sup>1</sup>	Steel	16 67	25-30 100

## Mats<sup>23</sup>

Material	Postconsumer Content (%)	Total Recovered Materials Content (%)
Rubber	75-100	85-100
Plastic	10-100	100
Rubber/Plastic Composite	100	100

\* See page 138 for reference

<sup>22</sup> EPA's recommendations do not preclude a procuring agency from purchasing another type of industrial drum. They require that a procuring agency, when purchasing industrial drums made from steel, plastic, or fiber, purchase these items made with recovered materials when they meet applicable specifications and performance requirements.

<sup>23</sup> EPA's recommendations do not preclude a procuring agency from purchasing mats made from other materials. They simply require that procuring agencies, when purchasing mats made from rubber and/or plastic purchase them made with recovered materials when these items meet applicable specifications and performance requirements.



## Pallets<sup>24</sup>

Product	Material (%)	Postconsumer Content (%)
Wooden Pallets	Wood	95-100
<b>Plastic</b>		
Plastic lumber	Plastic	100
Thermoformed	Plastic	25-50
Paperboard pallets	Paperboard	50

## Signage

Item/Material	Postconsumer Content (%)	Total Recovered Materials Content (%)
Plastic signs <sup>25</sup>	80-100	80-100
Aluminum signs	25	25
Plastic sign posts/supports	80-100	80-100
Steel sign posts/supports*	16 67	25-30 100

## Miscellaneous Products (cont.)

### Sorbents Used in Oil and Solvents Cleanups and for Use as Animal Bedding

Material	Postconsumer Content (%)	Total Recovered Materials Content (%)
Paper	90-100	100
Textiles	95-100	95-100
Plastics	--	25-100
Wood <sup>26</sup>	--	100
Other Organics/Multi-Materials <sup>27</sup>	--	100

<sup>24</sup> EPA's recommendation does not preclude a procuring agency from purchasing pallets manufactured from another material. It simply requires that a procuring agency, when purchasing pallets made from wood, plastic, or paperboard, purchase these items made with recovered materials when these items meet applicable specifications and performance requirements.

<sup>25</sup> Plastic signs and sign posts are recommended for nonroad applications only, such as, but not limited to, trailway signs in parks and directional/informational signs in buildings.

\* See page 138 for reference

<sup>26</sup> "Wood" includes materials such as sawdust and lumber mill trimmings.

<sup>27</sup> Examples of other organics include, but are not limited to, peanut hulls and corn stover. An example of multimaterial sorbents would include, but not be limited to, a polymer and cellulose fiber combination.

## Appendix B. Further Reading

### **American Recovery and Reinvestment Act of 2009 (ARRA 2009)**

Full bill

[http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=111\\_cong\\_bills&docid=f:h1enr.pdf](http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=111_cong_bills&docid=f:h1enr.pdf)

What it means to you?

<http://www.energy.gov/taxbreaks.htm>

### **Buildinggreen.com:**

Distributor of the Environmental Building News, BuildingGreen online suite, GreenSpec product directory, and LEEDuser web tool

[www.buildinggreen.com](http://www.buildinggreen.com)

### **Economic Stabilization act of 2008 (P.L. 110-343)**

[http://www.energy.gov/media/HR\\_1424.pdf](http://www.energy.gov/media/HR_1424.pdf)

### **Energy policy act of 2005 (EPACT)**

Summary:

[http://www.epa.gov/lab21gov/pdf/energy\\_policy508.pdf](http://www.epa.gov/lab21gov/pdf/energy_policy508.pdf)

Full bill:

[http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=109\\_cong\\_bills&docid=f:h6enr.txt.pdf](http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=109_cong_bills&docid=f:h6enr.txt.pdf)

### **ENERGY STAR for new Homes**

[http://www.energystar.gov/index.cfm?c=new\\_homes.hm\\_index](http://www.energystar.gov/index.cfm?c=new_homes.hm_index)

### **Hawai'i Building Products Directory**

Guide to building materials and services in Hawai'i by the Honolulu Chapter of the Construction Specifications Institute (CSI).

<http://www.hawaiibuildingproductsdirectory.com/>

### **Incentives/Policies for Renewables & Efficiency in the State of Hawai'i, from DSIRE website:**

Provides current information on state, local, utility and federal incentives and policies that promote renewable energy and energy efficiency such as the Solar and Wind Energy Credit.

<http://www.dsireusa.org/incentives/index.cfm?getRE=1?re=undefined&ee=1&spv=0&st=0&srp=1&state=HI>

### **National Green Building Program (NAHBGreen):**

Provides educational resources, advocacy tools, a credible green standard, and referrals to a national green home certification system.

<http://www.nahbgreen.org>

**NAHB Green Scoring Tool Spreadsheet**

<http://www.nahbgreen.org/ScoringToolSpreadsheet.aspx>

**Sweets Network Green Products**

<http://products.construction.com/>

**United States Environmental Protection Agency (EPA)**

The federal authority on current environmental issues, technology, and regulations.

[www.epa.gov](http://www.epa.gov)

**United Nations Globally Harmonized System (GHS) Criteria**

<http://www.osha.gov/dsg/hazcom/ghs.html>

**U.S. Green Building Council (USGBC)**

Provides resources for green building including the internationally-recognized green building certification system:

Leadership in Energy and Environmental Design (LEED).

<http://www.usgbc.org/>

**Why Use a RESNET-Certified Auditor or Rater?**

<http://www.resnet.us/why-use-resnet-auditor-or-rater>

# VI. RESOURCES

Sick Building Syndrome (SBS): <http://www.socalgreenrealestateblog.com/?p=1295>

## Logos:

California Air Resource Board <http://www.arb.ca.gov/>

CarbonFree <http://www.carbonfund.org/>

Certified Green Building Engineers (GBE) <http://www.aeecenter.org/i4a/pages/index.cfm?pageID=3354>

Certified Green Professional (CGP) <http://www.nahb.org/category.aspx?sectionID=1174>

Collaborative for High Performance Schools (CHPS) <https://www.chpsregistry.com/live/>

Cool Roof Rating Council (CRRC) <http://www.coolroofs.org/>

CRI Plus and CRI Seal of Approval <http://www.carpet-rug.org/>

Cradle to Cradle <http://mbdc.com/detail.aspx?linkid=2&sublink=8>

Design for the Environment <http://www.epa.gov/dfe/>

EcoLogo <http://www.ecologo.org/en/greenproducts/>

ENERGY STAR <http://www.energystar.gov/>

Epeat <http://www.epeat.net/>

FloorScore <http://www.scscertified.com/gbc/floorscore.php>

Forest Stewardship Council (FSC) <http://www.fsc.org/>

Global Organic Textile Standard (GOTS) <http://www.global-standard.org/the-standard.html>

GREENGUARD <http://www.greenguard.org/en/index.aspx>

Greener Product [http://www.greenerproduct.com/learn/GPCertificationSEAL/Home\\_GP\\_Certification7.aspx](http://www.greenerproduct.com/learn/GPCertificationSEAL/Home_GP_Certification7.aspx)

Green Globes <http://www.greenglobes.com/>

GreenSeal <http://www.greenseal.org/Home.aspx>

Green Wise <http://www.greenwisepaint.com/about/>

LEED AP (Accredited Professional) <http://www.usgbc.org/DisplayPage.aspx?CategoryID=19>

Level <http://levelcertified.org/>

Living Building Challenge <https://ilbi.org/>

MPI Standard <http://www.specifygreen.com/index.html>

NALFA <http://nalfa.com/>

NSF <http://www.nsf.gov/>

NAHB Green Approved <http://www.nahbgreen.org/Resources/greenapprovedproducts.aspx>

National Fenestration Rating Council (NFRC) <http://www.nfrc.org/>

Nordic Swan Ecolabel <http://www.nordic-ecolabel.org/>

North American Laminate Flooring Association (NALFA) [http://nalfa.com/eco\\_benefits.php](http://nalfa.com/eco_benefits.php)

Organic Materials Review Institute <http://www.omri.org/>

Rainforest Alliance <http://www.rainforest-alliance.org/certification-verification>

RoHS <http://www.rohs.eu/english/index.html>

Scientific Certification System <http://www.scscertified.com/index.php>

Sustainable Forestry Initiative <http://www.sfiprogram.org/>

United States Green Building Council (USGBC) <http://www.usgbc.org/DisplayPage.aspx?CategoryID=19>

WaterSense <http://www.epa.gov/WaterSense/index.html>

WoolSafe [http://www.wool\\_safe.org/what\\_mark\\_means](http://www.wool_safe.org/what_mark_means)

# VII. INDEX By Local Distributors, Manufacturers & Representatives # -A

CSI #	VENDOR or MANUFACTURER	PAGE #		
09 00 00 FINISHES	<b>9Wood</b> 5817 Ahakea St Kapaa, HI 96746 T 888-767-9990 F 888-767-9998 www.9wood.com sales@9wood.com	48,49	07 00 00 THERMAL & MOISTURE PROTECTION	<b>Advanced Roofing Technology, Inc.</b> 36, 42,45 98-833 Leihulu Pl Aiea, HI 96701 T 808-235-5542 F 808-235-5543 www.advanced-roofing.com corporate@advanced-roofing.com
	<b>A</b>			
CLEANING	<b>ABC Corporation</b> 103 94-085 Leonui St Waipahu, HI 96797 T 808-671-2671 F 808-671-1567 lloyb@abccorporationhawaii.com		CLEANING	<b>Advanced Vapor Technologies LLC</b> 102,104 5901 23 Dr W Ste 103 Everett, WA 98203 T 800-997-6584 F 425- 775-1993 www.advap.com vapor@advap.com
07 00 00 THERMAL & MOISTURE PROTECTION	<b>ABC Supply</b> 38, 39,41 749 Mapunapuna St Honolulu, HI 96819 T 808-836-8077 F 808-836-8091 http://www.abcsupply.com/ millerenterprises@me.com		22 00 00 PLUMBING	<b>AirReps Hawai'i</b> 78,83 1734 Kanakauni St Honolulu, HI 96819 T 808-846-9270 F 808-846-9279 www.airreps-hi.com sales@airreps-hi.com
09 00 00 FINISHES	<b>Above View By Tiles, Inc</b> 49 4750 S. Tenth St Milwaukee, WI 53221 T 414-744-7118 F 414-744-7119 www.aboveview.com Headquarters@aboveview.com		23 00 00 HVAC	<b>AL&amp;E LED Lighting and Energy Solutions</b> 86 521 Ala Moana, Pier 2, Ste. 260 Honolulu, HI 96813 T 808-626-5331 www.al-e.com info@al-e.com
23 00 00 HVAC	<b>A.C. Warehouse, Inc.</b> 82,83 670 Auahi St, I-10 Honolulu, HI 96813  300 Hukilike St, Suite E Kahului, HI 96732  T 808-545-3084 F 808-599-4957 acwarehouse1@yahoo.com		26 00 00 ELECTRICAL	<b>Alakona Corp.</b> 92 2906 Kaihikapu St Honolulu, HI 96819 T 808-833-1991 F 808-833-6422 www.alakona.com betsy@alakona.com
07 00 00 THERMAL & MOISTURE PROTECTION	<b>Admor HVAC Products</b> 38 2225 Hoonee Pl Honolulu, HI 96819 T 808-841-7400 F 808-841-7222 www.admorhvac.com admorhvac@aol.com		32 00 00 EXTERIOR IMPROVE- MENTS	<b>Aloha Recycling</b> 124 75 Amala Pl Kahului, HI 96732 T 808-871-8544 F 808-873-6364 www.aloha-recycling.com questions@aloha-recycling.com
			SERVICES	

CSI #	VENDOR or MANUFACTURER	PAGE #		PAGE #	
07 00 00 THERMAL & MOISTURE PROTECTION	<b>Aluminum Shake Roofing, Inc.</b> 5 Sand Island Access Rd, #108 Honolulu, HI 96819 T 808-847-8885 F 808-847-8009 www.aluminumshakeroofing.com	39	07 00 00 THERMAL & MOISTURE PROTECTION	<b>Architectural &amp; Engineering Systems Inc.</b> 3229 Koapaka St Honolulu, HI 96819 T 808-833-1844 F 808-839-1400 archenghi@yahoo.com	40,41
SERVICES	<b>AMEL Technologies, Inc.</b> Manoa Innovation Center 2800 Woodlawn Dr, Suite 251 Honolulu, HI 96822 T 808-988-0200 F 808-988-0204 http://ameltech.com	124	09 00 00 FINISHES	<b>Architectural Surfaces Inc.</b> 560 N. Nimitz Hwy., Ste. 217E Honolulu, HI 96817 T 808-523-7866 F 808-523-8199 www.asi-hawaii.com asi@pixi.com	57,66
09 00 00 FINISHES	<b>American Carpet One</b> 302 Sand Island Access Rd Honolulu, HI 96819 T 808-832-2060 F 808-832-2060 www.americancarpetone.com aaron.okamoto@ americancarpetone.com	53,54, 56,57, 59	06 00 00 WOOD PLASTICS & COMPOSITES	<b>Architectural Woods, Inc.</b> 2825 Ualena St Honolulu HI, 96819 T 808-833-1600 www.awi-wa.com sales@awi-wa.com	33
06 00 00 WOOD PLASTICS & COMPOSITES	<b>American Plastic Lumber, Inc.</b> 3867 Dividend Dr, Suite B Shingle Springs, CA 95682 T 530-677-7700 F 530-677-6718	31,32, 72,90, 122	09 00 00 FINISHES	<b>Armstrong Commercial Flooring</b> 2423 Loy Ln Los Angeles, CA 90041 T 323-333-5178 F 323-257-3737 www.armstrong.com/flooring rdrodriguez@armstrong.com	56, 58,59
12 00 00 FURNISHINGS	94-081 Pauanane Loop Mililani, HI 96789 www.american-plasticlumber.com apld@directcon.net		<b>B</b>		
32 00 00 EXTERIOR IMPROVE- MENTS			11 00 00 EQUIPMENT	<b>The Bathroom Store</b> 985 Dillingham Blvd, #300 Honolulu, HI 96817 T 808-843-2005 F 808-843-1224 www.tbshi.com christina@tbshi.com	70,78, 81,83
VEHICULAR			22 00 00 PLUMBING		
22 00 00 PLUMBING	<b>AquaMaker-Hawai'i</b> Green Builders Depot 550 Paiea, #126 Honolulu, HI 96819 T 808-385-3121 F 210-588-9960 www.aquamaker-hawaii.com belinda@aquamaker-hawaii.com	80, 82,93	23 00 00 HVAC		
23 00 00 HVAC			VEHICULAR	<b>Big Island Biodiesel</b> 16240 Mikahala St Shipman Business Park Keaau, HI 96749 bigislanddiesel.com info@biodiesel.com	122
46 00 00 WATER & WASTEWATER EQUIPMENT			46 00 00 WATER & WASTEWATER EQUIPMENT	<b>Blue Fin Enterprises, Inc.</b> 5437 Opihi St Honolulu, HI 96821 T 808-383-8973 F 808-373-4113 www.bluefinuv.com tschoney@hawaii.rr.com	93
46 00 00 WATER & WASTEWATER EQUIPMENT	<b>Sustainable Marketplace</b> of the Pacific 925 Bethel St, Suite 100 Honolulu, HI 96813 T 808-441-3455	93			

CSI #	VENDOR or MANUFACTURER	PAGE #			
48 00 00 ELECTRICAL POWER GENERATION	<b>Blue Pacific Energy LLC</b> P.O. Box 790752 Paia, HI 96779 T 808-280-5432 www.bluepacificenergy.com info@bluepacificenergy.com	96,97	23 00 00 HVAC	<b>Certified Laboratories</b> 224 Mokauea St Honolulu, HI 96819 T 808-842-0708 F 808-842-4046 www.certifiedlabs.com Loves002@hawaii.rr.com	84, 93,122
08 00 00 OPENINGS	<b>Breezway</b> 99-1451 Koaha Pl, Suite 1 Aiea, HI 96701 T 808-484-5999 F 808-484-5959 www.breezway.com shawn.moseley@breezway.com	45	46 00 00 WATER AND WASTE-WATER EQUIPMENT	<b>CETCO</b> 2870 Forbs Ave Hoffman Estates, IL 60192 T 800-527-9948 F 847-851-1304 www.cetco.com scott.solotorovsky@cetco.com	40,41
48 00 00 ELECTRICAL POWER GENERATION	<b>Bonterra Renewable Energy &amp; Solar Power</b> T 808-548-SOLR http://www.bonterasolar.com	94,96	22 00 00 PLUMBING	<b>Charlotte Pipe and Foundry Company</b> 2109 Randolph Rd Charlotte, NC 28207 T 704-348-6412 F 704-348-2221 www.charlottepipe.com gnahrgang@charlottepipe.com	80,81
<b>C</b>					
03 00 00 CONCRETE	<b>Castleblock Hawai'i</b> P.O. Box 6097 Hilo, HI 96720 T 800-672-7872 F 808-965-9779 http://castleblock.com castleblock@mail.com	29	09 00 00 FINISHES	<b>City Mill</b> 660 N. Nimitz Hwy Honolulu HI 96817 T 808-533-3811 F 808-529-5871	65, 74,75, 77,78, 80,82, 83,85, 86,87, 88,91, 101,102, 104,123
09 00 00 FINISHES	<b>Central Pacific Supply Corp./ Tile Mart</b> 855 Ahua St Honolulu, HI 96819 T 808-839-1952 F 808-834-0963 www.TileMart.com cpsHawaii@msn.com	58	11 00 00 EQUIPMENT	333 Keahole St Honolulu, HI 96825 T 808-396-5151 F 808-396-4455	
22 00 00 PLUMBING	<b>Central Supply, Inc.</b> 31 Makaala St Hilo, HI 96720 T 808-961-5855 F 808-961-5271 centralsupplyinc@aol.com www.centralsupplyhawaii.com	80,81	12 00 00 FURNISHINGS	3086 Waialae Ave Honolulu, HI 96816 T 808-735-7636 F 808-735-3680	
			26 00 00 ELECTRICAL	46-209 Kahuhipa St Kaneohe, HI 96744 T 808-247-2181 F 808-235-6658	
			32 00 00 EXTERIOR IMPROVE- MENTS	95-455 Maka'imo'imo St Mililani, HI 96789 T 808-623-3100 F 808-623-3133	
			CLEANING		
			VEHICULAR		



CSI #	VENDOR or MANUFACTURER	PAGE #	D		
	<b>City Mill (cont.)</b> 98-1277 Kaahumanu St Aiea, HI 96701 T 808-487-3636 F 808-488-7768		23 00 00 HVAC	<b>D&amp;D Air Conditioning-Refrigeration, LLC</b> 95-706 Lewanuu St Mililani, HI 96789 T 808-623-1335 F 808-623-2043 ddrefac@hotmail.com	83
	86-120 Farrington Hwy Waianae, HI 96792 T 808-696-6996 F 808-696-8726		23 00 00 HVAC	<b>Discount Lighting &amp; Fans</b> 349 - B Hanakai St Kahului, HI 96732 T 808-871-8776 F 808-871-8776 www.discontlightinghawaii.com hawaiianfan@cs.com	82, 83,86, 87,88
	94-157 Leoleo St Waipahu, HI 96797 T 808-671-1746 F 808-677-2449 www.citymill.com		26 00 00 ELECTRICAL		
SERVICES	<b>Cleanway, Inc.</b> 1003 Makepono St Honolulu, HI 96819 T 808-851-7117 F 808-851-7119 www.cleanwayHI.com cleanway@biodiesel.com	124	23 00 00 HVAC	<b>Division X, Inc.</b> 800 Bethel St, Suite 400 Honolulu, HI 96813 T 808-528-2448 F 808-531-2295 www.divisionxinc.com sales@divisionxinc.com	83
07 00 00 THERMAL & MOISTURE PROTECTION	<b>Commercial Roofing &amp; Waterproofing Hawai'i Inc</b> 2002 Kahai St Honolulu, HI 96821 T 808-841-7246 F 808-841-0053 www.commercialroofinginc.com contact@commercialroofinginc.com	40	09 00 00 FINISHES	<b>DuPont Surfaces Hawai'i</b> 2887 Koapaka St Honolulu, HI 96819 T 808-306-3718	50
07 00 00 THERMAL & MOISTURE PROTECTION	<b>Cool Roof Hawai'i</b> PO Box 934 Honolulu, HI 96808 T 808-282-0477 F 808-441-3180 www.coolroofhawaii.com info@coolroofhawaii.com	38	07 00 00 THERMAL & MOISTURE PROTECTION	<b>Duratek Inc.</b> 816 Gulick Ave Honolulu, HI 96819 T 808-848-7000 F 808-842-0800 david@lava.net	38
09 00 00 FINISHES	<b>Custom Countertops Inc.</b> 94-078 Leokane St Waipahu, HI 96797 T 808-677-5050 F 808-671-8677 wmly@msn.com	50,51	12 00 00 FURNISHINGS	<b>Dwyer Products Corporation</b> 1000 Davey Rd, Suite 100 Woodridge, IL 60517 T 800-822-0092 F 630-741-7974 www.dwyerproducts.com nwilliams@dwyerproducts.com	73

## E

CSI #	VENDOR or MANUFACTURER	PAGE #	SERVICES		
	<b>E</b>				
OFFICE	<b>ECOBAGS.com</b> 23-25 Spring St, Suite 302 Ossining, NY 10562 T 800-720-2247 F 914-371-4867 www.ecobags.com info@ecobags.com	105		<b>Environment Hawai'i, Inc.</b> 72 Kapiolani St Hilo, HI 96720 T 808-934-0115 environment-hawaii.org ptummons@gmail.com	124
CLEANING	<b>Ecolab</b> 401 Waiakamilo Rd, Suite 101B Honolulu, HI 96817-4955 T 800-352-5326 F 866-402-1302	99,100	CLEANING	<b>Envirox, LLC</b> 1938 E. Fairchild St Danville, IL 61832 T 217-442-8596 F 217-442-2568 www.enviroxclean.com enviroxinfo@enviroxclean.com	100,101
26 00 00 ELECTRICAL	<b>Eco-Lite</b> P.O. Box 283311 Honolulu, HI 96828 T 808-923-4271 F 808-923-5275	85, 86,87, 88,89	07 00 00 THERMAL & MOISTURE PROTECTION	<b>Equinox Hawai'i</b> 54-245 Anoilei Pl Hauula, HI 96717 T 808-271-2545 www.equinoxhawaii.com equinoxhawaii@gmail.com	35
06 00 00 WOOD PLASTICS & COMPOSITES	<b>EMEE Kitchens &amp; Baths, LLC</b> 98-029 Hekaha Street Suite 1 Aiea, HI 96701 T 808-484-5354 F 808-484-5344 www.emEEKitchens.com emeekitchen.bath@gmail.com	32	09 00 00 FINISHES	<b>Evergreen by Debra, LLC</b> 47-388 Kamehameha Hwy Kaneohe, HI 96744 T 808-239-6599 F 800-216-9163 www.EvergreenbyDebra.com Jeff@EvergreenbyDebra.com	59,60
48 00 00 ELECTRICAL POWER GENERATION	<b>EnergyPro Hawai'i</b> 825 Halekauwila St Honolulu, HI 96813 T 808-596-2890 F 808-596-2893 www.energyprohawaii.com energyprohawaii@gmail.com	95	32 00 00 EXTERIOR IMPROVE- MENTS	<b>Exacta Sales, Inc.</b> 2815 Ualena St Honolulu, HI 96819 T 808-840-1919 F 808-840-1921 www.exactasales.com exacta@hawaii.rr.com	92
46 00 00 WATER AND WASTE-WATER EQUIPMENT	<b>Enviniti LLC</b> 535 Ward Ave, #210 Honolulu, HI 96814 T 808-596-2378 x23 F 808-596-2063 www.enviniti.com contactus@enviniti.com	93			

CSI #	VENDOR or MANUFACTURER	PAGE #		
	<b>F</b>			
03 00 00 CONCRETE	<b>Fab-Form Industries</b> Unit 212 6333 148th St Surrey, BC V3S 3C3 Canada T 604-596-3278 T 888-303-3278 www.fab-form.com joey.earn@fab-form.com	29	26 00 00 ELECTRICAL	<b>Goldwings Supply Service, Inc.</b> 86,92 110 Kapalulu Pl Honolulu, HI 96819 T 808-833-6020 F 808-834-4690 www.goldwings-supply.com sales@goldwings-supply.com
22 00 00 PLUMBING	<b>Ferguson</b> 801 Moowaa St Honolulu, HI 96817 T 808-832-7473 F 808-832-7409 www.ferguson.com	79	32 00 00 EXTERIOR IMPROVE- MENTS	<b>GP Roadway Solutions</b> 91,92 660 Mapunapuna Honolulu, HI 96817 153A Alamaha St Kahului, Maui, HI 96732 74 5489 Loloku St Bay A Kailua-Kona, HI 96740 T 808-833-2502 F 808-833-836 x1496 GPRoadwaySolutions.com nperreira@gproadwaysolutions.com
10 00 00 SPECIALTIES	<b>Fireplace &amp; Home Center</b> 256 Kamehameha Ave Hilo, HI 96720 T 808-961-5646 F 808-961-5623 www.fireplacehawaii.com jeffrey@fireplacehawaii.com	67	07 00 00 THERMAL & MOISTURE PROTECTION	<b>Grainger</b> 42, 80,98, 99,100, 101,103, 104,109, 110 2833 Paa St Honolulu, HI 96819-4406 Second St, Bldg 209 Kaneohe Bay, HI 96863 T 808-423-0028 F 808-423-0031 www.grainger.com
09 00 00 FINISHES	<b>Foamtech Hawai'i LLC</b> 1243 Ala Alii St Apt #125 Honolulu, HI 96818 T 808-487-9190 F 808-487-9190 www.foamtech.co.kr/eng02/ FoamtechHawaii@gmail.com	58,66	22 00 00 PLUMBING	<b>Green Builder's Depot</b> 29, 34,35, 39,40, 42,52, 53,55, 56,60, 61,62, 63,64, 66,81, 85,91, 93,98, 99,100, 101,103
32 00 00 EXTERIOR IMPROVE- MENTS	<b>Futura Stone of Hawai'i</b> 1082 Sand Island Parkway Honolulu, HI 96819 T 808-841-7440 F 808-841-7440 www.futurastonehawaii.com info@futurastonehawaii.com	90	CLEANING	<b>Green Builder's Depot</b> 29, 34,35, 39,40, 42,52, 53,55, 56,60, 61,62, 63,64, 66,81, 85,91, 93,98, 99,100, 101,103
	<b>G</b>		OFFICE	
11 00 00 EQUIPMENT	<b>GOC Technologies</b> 623 Kakoi St SPC 1 Honolulu, HI 96819 T 808-839-1300 F 808-839-1312 www.goctechnologies.net griff@goctechnologies.net	68	03 00 00 CONCRETE	
			06 00 00 WOOD PLAS- TICS & COMP.	
			07 00 00 THERMAL & MOISTURE PROTECTION	
			09 00 00 FINISHES	
			CLEANING	
			22 00 00 PLUMBING	
			26 00 00 ELECTRICAL	
			32 00 00 EXTERIOR IMPROVEMENTS	
			46 00 00 WATER & WASTE-WATER EQUIPMENT	

CSI #	VENDOR or MANUFACTURER	PAGE #			
SERVICES	<b>Green Building LLC</b> 2381 Waipua St Pa'ia, HI 96779 T 808-873-2040 F 808-871-1514 www.GreenBuildingHawaii.com info@GreenBuildingHawaii.com	124	07 00 00 THERMAL & MOISTURE PROTECTION	<b>Hawaiian Sunshine Nursery</b> 41-436 Hihimanu St Waimanalo, HI 96795 T 808-259-7295 F 808-259-8196 oahuhsn@hawaiinursery.com	42,124
48 00 00 ELECTRICAL POWER GENERATION	<b>GreenPath Technologies, Inc.</b> 754 Ilaniwai St Honolulu, HI 96813 P.O. Box 29877 Honolulu, HI 96820 T 808-748-8418 F 808-443-0607 http://greenpath-tech.com	94, 95,96	SERVICES	2191 Ainaola Dr Hilo, HI 96720 T 808-959-4088 F 808-959-4089 hilohsn@hawaiinursery.com www.hawaiinursery.com	
	<b>H</b>		23 00 00 HVAC	<b>Hawaiian Island Solar</b> 111 Hekili St, Ste A-462 Kailua, HI 96734 T 808-261-9740 F 808-259-9871 www.hawaiianislandsolar.com info@hawaiianislandsolar.com	84
07 00 00 THERMAL & MOISTURE PROTECTION	<b>HAAS Insulation</b> 819 Moowaa St, Suite 105 Honolulu, HI 96817 T 808-845-0775 F 808-845-0684 www.haasinsulation.net awallen@haasinsulation.net	36,37	11 00 00 EQUIPMENT	<b>Hawai'i Home Expo</b> 2933 Koapaka St Honolulu, HI 96819 T 808-695-3976 F 808-690-9224 www.hawaiihomeexpo.com fay@tokitradingltd.com	70,78
SERVICES	<b>Habitat for Humanity ReStore</b> http://www.habitat.org/restores/ Leeward, Oahu (808) 682-8411 Honolulu, Oahu (808) 538-7171 Kauai (808) 335-0296 East Hawaii, Hilo (808) 935-6677 West Hawaii, Kona (808) 331-8010 Maui (808) 986-8050	126	22 00 00 PLUMBING		
CLEANING	<b>Hansen Foodservice</b> 96-1282 Waihona St Pearl City, HI 96782 T 808-456-3334 F 808-456-5043 http://hansenhawaii.com	103	07 00 00 THERMAL & MOISTURE PROTECTION	<b>Hawai'i Insulation</b> 94 Muliwai Ave Wahiawa, HI 96786 T 808-621-6562 F 808 622-3404 hawaiiinsulation@hawaii.rr.com	37
03 00 00 CONCRETE	<b>Hawaiian Cement, Cement Division</b> 99-1300 Halawa Valley St Aiea, HI 96701 T 808-673-4208 F 808-441-7608 www.hcflyash.com george.stewart@hawaiiancement.com	29	09 00 00 FINISHES	<b>Hawai'i Kitchen and Bath</b> 201 Kapaa Quarry Rd, Unit 7A Kailua, Hawai'i 96734 T 808-261-0357 www.hawaiikitchenandbath.com	50,51
			08 00 00 OPENINGS	<b>Hawai'i Skylights and Solar Fans</b> 3420 McCorriston St Honolulu, HI 96815 T 808-847-6527 F 888-976-5250  Kahului, Maui, HI Kailua-Kona, Hawai'i, HI T 808-345-1779 www.hawaiiskylights.com info@hawaiiskylights.com	47,83

CSI #	VENDOR or MANUFACTURER	PAGE #				
07 00 00 THERMAL & MOISTURE PROTECTION	<b>Home Depot</b> 421 Alakawa St Honolulu, HI 96817 T 808-521-7355	35,45, 64,69, 70,77, 78,79, 80,82, 85,86, 87,88, 91,96, 97,99, 101,102, 103,104,		08 00 00 OPENINGS	<b>Honsador Lumber LLC</b> 91-151 Malakole Rd Kapolei, HI 96707 T 808-682-2011 F 808-682-5252	44,45
08 00 00 OPENINGS	1021 Kamehameha Highway Pearl City, HI 96782 T 808-455-1200				73-5580 Kauhola St Kailua, Kona 96740 T 808-329-0738 F 808-326-2764	
09 00 00 FINISHES					3371 Wilcox Rd Lihue, HI 96766 T 808-246-2412 F 808-246-2413	
11 00 00 EQUIPMENT	4600 Kapolei Parkway Kapolei, HI 96707 T 808-674-6120 www.homedepot.com				250 Lalo Pl Kahului, HI 96732 T 808-877-5045 F 808-877-6571	
22 00 00 PLUMBING					100 Kukila St Hilo, HI 96720 T 808-961-6000 F 808-961-5892 www.honsador.com websales@honsador.com	
23 00 00 HVAC						
CLEANING						
26 00 00 ELECTRICAL						
32 00 00 EXTERIOR IMPROVEMENTS						
48 00 00 ELECTRICAL POWER GENERATION						
12 00 00 FURNISHINGS	<b>Honolulu Furniture Company</b> 527 Cummins Honolulu, HI 96819 T 808-220-5183 http://forwardthinkingfurniture.com forwardthinkingfurniture@ gmail.com	74		06 00 00 WOOD PLASTICS & COMPOSITES	<b>HPM Building Supply</b> 91-302 Hanua St Kapolei, HI 96707 T 808-682-8560 / 877-842-4536 F 808-682-8565	32, 33,35, 36,38, 39,41, 43,44, 45,46, 47,49, 51,62, 63,70, 71,77, 80,84, 88,89
SERVICES	<b>Honolulu Recovery Systems Inc.</b> 358 Hookela Pl Honolulu, HI 96819 T 808-841-3179 F 808-841-2438 honolulurecoverysystems.com craigmatsumoto@oahuwaste.com	124		07 00 00 THERMAL & MOISTURE PROTECTION	380 Kanoelehua Ave Hilo, HI 96720 T 808-935-0875 F 808-934-4355	
				08 00 00 OPENINGS	74-5511 Luhia St Kailua-Kona, HI 96740 T 808-334-4200 F 808-334-4216	
				09 00 00 FINISHES		
				11 00 00 EQUIPMENT	64-1027 Mamalahoa Hwy Kamuela, HI 96743 T 808-885-6036 F 808-885-5508	
				22 00 00 PLUMBING		
				23 00 00 HVAC	16-166 Melekehahiwa St Keaau, HI 96749 T 808-966-5694 F 808-966-7564 www.hpmhawaii.com oahu@hawaiiplaningmill.com	
06 00 00 WOOD PLAS- TICS & COM- POSITES	<b>Honolulu Wood Treating, LLC</b> 91-291 Hanua St Kapolei, HI 96707 T 808-682-5704 F 808-682-4436 www.hwthawaii.com hwthawaii@aol.com	32,33		26 00 00 ELECTRICAL		



CSI #	VENDOR or MANUFACTURER	PAGE #		PAGE #	
	<b>HPM Building Supply (cont.)</b> Custom Metal Roofing 91-302 Hanua Street Kapolei, HI 96707 T 808-682-8560 F 808-682-8565 T 877-841-7633		<b>48 00 00</b> ELECTRICAL POWER GENERATION	<b>Inovus Solar</b> 2800 Woodlawn Dr, Suite 101 Honolulu, HI 96822 T 808-457-5703 F 866-634-4471 inovussolar.com jmaskrey@inovussolar.com	94
	16-166 Melekauiwa St Keaau, HI 96749 T 808-966-5660 F 808-966-5672		<b>09 00 00</b> FINISHES	<b>Insolid</b> 94-425 Maikoiko St Waipahu, HI 96797 Leeward: 808-676-5522 Windward: 808-262-8677 F 808-261-8677 www.insolidhawaii.com	50
CLEANING OFFICE	<b>HSC Office Products</b> <b>(A Hawai'i Stationary Company)</b> 99-1418 Koaha Pl Aiea, HI 90701 T 808-486-3200 F 808-486-3111 www.hscofficeproducts.com sales@hscofficeproducts.com	98,106, 115,116	<b>09 00 00</b> FINISHES	<b>InterfaceFLOR</b> 95-1121 Koolani Dr, Unit #181 Mililani, HI 96789 T 808-782-2214 F 808-630-2214 www.interfaceflor.com wade.mukai@interfaceflor.com	52,54
<b>23 00 00</b> HVAC	<b>HVAC Hawai'i, LLC</b> 525 Kokea St, Unit B-1 Honolulu, HI 96817 T 808-845-6050 F 808-842-4885 www.hvachawaii.com info@hvachawaii.com	83,84	<b>08 00 00</b> OPENINGS	<b>Inter-Island Solar Supply</b> 761 Ahua St Honolulu, HI 96819 T 808-523-0711 F 808-536-5586 www.solarsupply.com rrichmond@solarsupply.com	47,95, 96,97
<b>07 00 00</b> THERMAL & MOISTURE PROTECTION	<b>Hydro-Stop</b> <b>(Quest Construction Products)</b> 1465 Pipefitter St N Charleston, SC 29405 T 800-739-5566 F 843-745-9602 www.hydro-stop.com info@hydro-stop.com	39	<b>07 00 00</b> THERMAL & MOISTURE PROTECTION	<b>Island Cooling LLC</b> 44-155 A Mikiola Dr Kaneohe, HI 96744 T 808-672-2300 www.islandcooling.com info@islandcooling.com	38,83, 84
	<b>I</b>		<b>23 00 00</b> HVAC		
<b>07 00 00</b> THERMAL & MOISTURE PROTECTION	<b>Industrial Nanotech, Inc.</b> 1925 Trade Center Way Ste. 1 Naples, FL 34109 T 800-767-3998 F 239-254-1381 www.nansulate.com contact@nansulate.com	38	<b>48 00 00</b> ELECTRICAL POWER GENERATION	<b>Islandwide Solar</b> 74-5543 Kaiwi St Suite E-105 Kailua Kona, HI 96740 T 808-334-1779 F 808-334-1785	94,95, 96,97
				4495 Puhi Rd Lihue, Kauai HI 96766 T 808-241-7786 F 808-241-7788 www.sunnyliving.com info@sunnyliving.com	

CSI #	VENDOR or MANUFACTURER	PAGE #		
48 00 00 ELECTRICAL POWER GENERATION	<b>Island Pacific Energy LLC</b> 521 Ala Moana Blvd Honolulu, HI 96813 T 808-377-4570 www.islandpacificenergy.com Info@islandpacificenergy.com	97		
13 00 00 SPECIAL CONSTRUCTION	<b>Island Pool &amp; Spa Supply</b> 1169 Kona St Honolulu, HI 96814 T 808-593-8448 F 808-593-8449  380 Hoohana St Kahului, HI 96732 maui@islandpoolsupply.com T 808-871-6671 F 808-871-6820  73-5563 Maiau St Kailua-Kona, HI 96740 T 808-326-1151 F 808-334-0626  www.islandpoolhawaii.com	76		
05 00 00 METALS	<b>Island Resorts Trust LLC</b> PO Box 415 Stuart, FL 34995 T 772-675-3144 F 772-209-7660 www.structuralsips.com islandvillage@bellsouth.net	30		
32 00 00 EXTERIOR IMPROVE- MENTS  CLEANING  VEHICULAR	<b>Island Shell LLC. dba Environ- mental Manufacturing</b> 98-736-C Moanalua Lp. Aiea, HI 96701 T 808-487-1100 F 808-487-1102 islandshell.com bernie@islandshell.com	91, 104,123		
			<b>J</b>	
			22 00 00 PLUMBING	<b>JM Sales Hawai'i LLC</b> 78,80 841 Bishop St Ste 1622 Honolulu, HI 96813 T 808-545-2357 F 808-545-2358 www.jmsaleshawaii.com jmsales@earthlink.net
			03 00 00 CONCRETE	<b>JP Specialties, Inc. / Earth Shield Waterstop</b> 29 551 Birch St Lake Elsinore, CA 92530 T 951-674-6869 F 951-674-1315 www.earthshield.com davidp@earthshield.com
				<b>K</b>
			09 00 00 FINISHES	<b>Kauai Floors, Inc.</b> 53, 55,60 2956 Aukele St Lihue, HI 96766 T 808-245-3503 F 808-245-8712 www.kauaifloors.com kauaifloors@yahoo.com
			SERVICES	<b>Kauai Nursery and Landscap- ing, Inc.</b> 124 3-1550 Kaunaulii Hwy Lihue, HI 96766 T 808-245-7747 F 908-245-9289 www.kauainursery.com knl@kauainursery.com
			08 00 00 OPENINGS	<b>Kieselbach Woodworks</b> 46 825 Halekauwila St Honolulu, HI 96813 T 808-589-1411 wayne@kieselbachwoodworks.com

<b>CSI #</b>	<b>VENDOR or MANUFACTURER</b>	<b>PAGE #</b>			
12 00 00 FURNISH- INGS	<b>Kolo Mountain Wood Crafts</b> 87-2872-C Mamalohoa Hwy Captain Cook, HI 96704 T 808-328-2609 kolomwoodcrafts@aol.com	74	11 00 00 EQUIPMENT	<b>Lowes</b> 411 Pacific St Honolulu, HI 96817 T 808-528-9370 F 808-528-9373	69,70, 71,79
14 00 00 CONVEYING EQUIPMENT	<b>Kone Elevators</b> 550 Paiea St, Suite 506 Honolulu, HI 96819 T 808-836-2231 F 808-836-0916 www.kone.com	76	22 00 00 PLUMBING	270 Dairy Rd, Building A Kahulii, HI 96732 T 808-873-0383 F 808-873-0309	
	<b>L</b>			75-5677 Hale Kapili St Kailua Kona, HI 96740 T 808-331-3470 F 808-331-3472	
CLEANING	<b>Lamers Enterprise, Inc.</b> 251 Puuhale Rd Honolulu, HI 96819 T 808-845-9365 F 808-845-5592 www.lamersenterprise.com customerservice@lamersenterprise.com	100,101		94-805 Lumiaina St Waipahu, HI 96797 T 808-676-8381 F 808-676-2402 www.lowes.com	
07 00 00 THERMAL & MOISTURE PROTECTION	<b>LeakMaster Roofing Inc.</b> 575 Cooke St, Suite G Honolulu, HI 96813 T 808-591-1900 F 808-591-1910 www.leakmaster.com greg@leakmaster.com	39	23 00 00 HVAC	<b>Lumen Solar LLC</b> 9 N. Pauahi St, Suite 301 Honolulu, HI 96817 808-226-1480 www.lumensolar.net melissawhite@lumensolar.net	82,95, 96
09 00 00 FINISHES	<b>Lees Carpets</b> P.O. Box 894180 Mililani, HI 96789 T 808-282-5822 F 808-706-1957 www.leescarpets.com Herb_oshiro@leescarpets.com	55	48 00 00 ELECTRICAL POWER GENERATION	<b>M</b>	
VEHICULAR	<b>Leeward Petroleum, Inc.</b> 85-723 Farrington Hwy Waianae, HI 96972 T 808-696-4848 F 808-696-9088 leewardpetroleum@yahoo.com	123	48 00 00 ELECTRICAL POWER GENERATION	<b>Makani Energy</b> 1888 Kalakaua Ave Honolulu, HI 96815 T 808-447-8871 http://makanienergy.com sales@makanienergy.com	97
			09 00 00 FINISHES	<b>Mannington Commercial</b> 1844 U.S. Hwy 41 SE Calhoun, GA 30701 T 800-241-2262 F 706-625-6210 www.mannington.com/commercial glenn_okada@mannington.com	54, 56,57, 58,59



CSI #	VENDOR or MANUFACTURER	PAGE #		
07 00 00 THERMAL & MOISTURE PROTECTION	<b>Manufacturers Agency Pacific, Inc.</b> 45-1117 Kamehameha Hwy Ste. 203 Kaneohe, HI 96744 T 808-247-5588 F 808-239-4065 mapinc@aloha.net	38,40	09 00 00 FINISHES	<b>Medallion Carpet</b> 645 Ahua St Honolulu, HI 96819 T 808-836-3585 F 808-834-4722 www.medallion1.com
09 00 00 FINISHES	<b>Maru Flooring</b> 727 Waiakamilo Rd Honolulu, HI 96817 T 808-853-1717 F 808-853-1616 maruflooringhawaii.com wally@maruflooringhawaii.com	51, 59,60	09 00 00 FINISHES	<b>Meld USA</b> 3001-103 Spring Forest Rd Raleigh, NC 27606 T 919-790-1749 F 919-790-1750 www.meldusa.com info@meldusa.com
12 00 00 FURNISHINGS	<b>Martin &amp; MacArthur</b> 1815 Kahai St Honolulu, HI 96819 T 808-845-6688 F 808-845-6680 Martinandmacarthur.com info@martinandmacarthur.com	74	07 00 00 THERMAL & MOISTURE PROTECTION	<b>Metacrylics</b> 142 N 27 St San Jose, CA 95116 T 408-280-7733 F 408-280-6329 www.metacrylics.com mark@metacrylics.com
CLEANING	<b>Maui Chemical &amp; Paper Products</b> 875 Alua St Wailuku, Maui, HI 96793 T 808-244-7311 F 808-242-6722 www.mauichem.com info@mauichem.com	100,101	07 00 00 THERMAL & MOISTURE PROTECTION	<b>Millenium Tiles, LLC</b> 550 E. Centralia Elkhorn, WI 53121 T 262-723-7778 F 262-723-7629 millenniumtiles.com wh@milleniumtiles.com
06 00 00 WOOD PLASTICS & COMPOSITES	<b>Maui Laminates, Inc</b> 269 Papa Pl #5 Kahului, HI 96732 T 808-871-6500 F 808-871-5959 mauilaminates.com jpahia@mauilaminates.com	34,53	09 00 00 FINISHES	<b>The Mohawk Group - Bigelow Commercial Carpet</b> 1975 West Oak Circle Marietta, GA 30062 T 808-222-7733 F 808-484-1162 www.themohawkgroup.com lynette_shibuya@mohawkind.com
13 00 00 SPECIAL CONSTRUCTION	<b>Maui Solar Project</b> 3432 Keha Drive #B Kihei, HI 96753 T 808-269-2352 F 808-748-0020 www.mausolarproject.org info@mauisolarproject.org	76,84, 87,95		
23 00 00 HVAC				
26 00 00 ELECTRICAL				
48 00 00 ELECTRICAL PWR. GEN.				

<b>CSI #</b>	<b>VENDOR or MANUFACTURER</b>	<b>PAGE #</b>			
SERVICES	<b>Mokulua Woodworking, Ltd.</b> 905 Kalaniana'ole Hwy Bldg 26 Kailua, HI 96734 T 808-263-9663 <a href="http://mokuluawoodworking.com">http://mokuluawoodworking.com</a> <a href="mailto:mike@mokuluawoodworking.com">mike@mokuluawoodworking.com</a>	124,125	CLEANING	<b>Office Max</b> 770 Ala Moana Blvd Honolulu, HI 96814 T 808-545-5177	72,73, 74,75, 87,100, 101,102, 103,104, 105,106, 107,108, 109,110, 111,112, 113,114, 115,116, 117,118, 119,120, 121
09 00 00 FINISHES	<b>MP Global Products, LLC</b> 2500 Old Hadar Rd Norfolk, NE 68701 T 402-379-9695 F 402-379-9737 <a href="http://www.mpglobalproducts.com">www.mpglobalproducts.com</a> <a href="mailto:bpratt@mpglobalproducts.com">bpratt@mpglobalproducts.com</a>	52	12 00 00 FURNISHINGS	Stadium Marketplace 4561 Salt Lake Blvd Honolulu, HI 96818 T 808-485-1083	
	<b>N</b>		26 00 00 ELECTRICAL	Waikale Center Building #9 94-861 Lumiaina St Waipahu, HI 96797 T 808-671-7337	
SERVICES	<b>Nanakuli Housing Project</b> Training Center at Kalaeloa and Baseyard at Sand Island P.O. Box 17489 Honolulu, HI 96817 (808) 842-0770 <a href="http://www.baseyard.com">www.baseyard.com</a>	126		Kapolei Commons 4450 Kapolei Parkway, Suite 120 Kapolei, HI 96707 T 808-674-1110	
12 00 00 FURNISHINGS	<b>Norton Industries Incorporated</b> 1366 W 117th St Lakewood, OH 44107 T 888-357-2345 F 800-462-6650 <a href="http://www.nortonceilings.com">www.nortonceilings.com</a> <a href="mailto:mark@nortonceilings.com">mark@nortonceilings.com</a>	50,74	14 00 00 CONVEYING EQUIPMENT	Lahaina Gateway 335 Keawe St Suite 206 Lahaina, HI 96761 T 808-662-0011 <a href="http://www.officemax.com">www.officemax.com</a>	
09 00 00 FINISHES	<b>O</b>			<b>Otis Elevator Company</b> 863 Halekauwila St, Suite4 Honolulu, HI 96813 T 808-599-1111 F 808-528-2281 <a href="http://www.otis.com">www.otis.com</a> <a href="mailto:javier.pommerenk@otis.com">javier.pommerenk@otis.com</a>	76
OFFICE	<b>Office Depot</b> 340 Kamakee St Honolulu, HI 96814 T 808-589-2555  1505 Dillingham Blvd Honolulu, HI 96817 T 808-845-5784  98-1277 Kaakumanu St Aiea, HI 96701 T 808-488-7819  94-050 Farrington Hwy Waipahu, HI 96797 T 808-678-2663 <a href="http://www.officedepot.com">www.officedepot.com</a>	106, 107,108, 110,112, 113,115, 117,119, 120	09 00 00 FINISHES	<b>PABCO Gypsum</b> 3441 Alani Dr Honolulu, HI 96822 T 808-258-3141 F 808-988-5298 <a href="http://www.pabcogypsum.com">http://www.pabcogypsum.com</a> <a href="mailto:mark.hanna@paccoast.com">mark.hanna@paccoast.com</a>	51
	<b>P</b>		06 00 00 WOOD PLASTICS & COMPOSITES	<b>Pacific American Lumber</b> 142 Mokauea St Honolulu, HI 96819 T 808-845-8700 F 808-845-0220 <a href="http://www.pacamlumber.com">www.pacamlumber.com</a> <a href="mailto:rmendes@pacamlumber.com">rmendes@pacamlumber.com</a>	33,60, 63
			09 00 00 FINISHES		

CSI #	VENDOR or MANUFACTURER	PAGE #			
VEHICULAR	<b>Pacific Biodiesel, Inc.</b> 40 Hobron Ave Kahului, Maui, HI 96732 T 808-877-3144 F 808-877-5030 www.biodiesel.com	122	07 00 00 THERMAL & MOISTURE PROTECTION	<b>Painter's Warehouse, Inc</b> 1808 Republican St Honolulu, HI 96819 T 808-845-6363 F 808-845-6871 wayne@painters-warehouse.com	39,63
26 00 00 ELECTRICAL	<b>Pacific Electrical Sales Agency, Inc.</b> 541 Ahui St Honolulu, HI 96813 T 808-597-1744 F 808-593-2546	89	09 00 00 FINISHES	<b>Paneltech Products Inc</b> 2999 John Stevens Way Hoquiam, WA 98550 T 360-538-9815 F 360-532-0295 www.paperstoneproducts.com jjulius@paneltechintl.com	50
09 00 00 FINISHES	<b>Pacific Imports International</b> 926 Kohou St Honolulu, HI 96817 T 808-847-7711 F 808-847-7733 pacificimportsinternational.com shilton@piiwood.com	52,60	SERVICES	<b>PF Restoration Company</b> 891 Alua St, Bay 7 Wailuku, HI 96793 T 808-244-5905 F 808-249-8385 pfrestoration@gmail.com	125
10 00 00 SPECIALTIES	<b>Pacific Recreation Co., LLC</b> 99-899 Iwaena St, Suite 113 Aiea, HI 96701 T 808-488-0644 F 808-488-0643 www.pacrechawaii.com dave@pacrechawaii.com	67	09 00 00 FINISHES	<b>PHF Hawai'i, INC dba Pacific Home Furnishings</b> 98-735 Kuahao Pl Pearl City, HI 96782 T 808-487-3881 F 808-486-2201 www.phf-hawaii.com tommylee@phf-hawaii.com	56
11 00 00 EQUIPMENT	<b>Pacific Rim Partners, LLC</b> 1405 N. King St, Suite 101 Honolulu, HI 96817 T 808-843-2500 F 808-843-2501 www.pacrim-partners.com bob@pacrim-partners.com	71,79, 104	SERVICES	<b>Plas-Tech Ltd.</b> P.O. Box 1956 Kailua, HI 96734 T 808-847-2339 F 808-845-4337 www.plastechhawaii.com plastech@aloha.net	125
22 00 00 PLUMBING			12 00 00 FURNISHINGS	<b>PMB Consulting Inc.</b> T 808-640-5625 F 888-939-8908 info@pmbconsultinginc.com www.pmbconsultinginc.com	75
CLEANING			SERVICES	<b>Pohaku Consulting</b> 808-220-5818 pohaku2@gmail.com www.pohakuconsulting.com	125
SERVICES	<b>Pacific SBS</b> 1136 Union Mall Suite 402 Honolulu, HI 96813 T 808-521-7283 F 808-521-7285 www.pacificsbs.com info@pacificsbs.com	125			

CSI #	VENDOR or MANUFACTURER	PAGE #		
12 00 00 FURNISHINGS	<b>Putter Furniture</b> 43 Pueohala Pl Kailua, HI 96734 T 808-261-6833 F 808-261-0907 www.putterfurniture.com putterm@hawaii.rr.com	75		
CLEANING	<b>Premium Inc.</b> 3375 Koapaka St Honolulu, HI 96819 T 808-839-9802 F 808-834-0068 www.premiuminc.net sonny@premiuminc.net	42, 98,100, 101,105, 106		
	<b>R</b>			
48 00 00 ELECTRICAL POWER GENERATION	<b>R&amp;R Solar Supply</b> 922 Austin Ln Building D Honolulu, HI 96817 T 808-842-0011 F 808-847-4938 www.randrsolar.com rolf@randrsolar.com	94,95, 96,97		
08 00 00 OPENINGS	<b>Reflections</b> 94-350 Uke'e St Waipahu, HI 96797 T 808-676-6767 F 808-676-2329 www.reflections-glass.com info@reflections-glass.com	47		
SERVICES	<b>Re-use Hawai'i</b> P.O. Box 161291 Honolulu, HI 96816 T 808-537-2228 www.reusehawaii.org info@reusehawaii.org	126		
SERVICES	<b>Roth Ecological Design International, LLC (REDI)</b> 925 Bethel St, Suite 100 Honolulu, HI 96813 T 808-781-7583 F 808-737-1512 www.rothecologicaldesign.com lauren@rothecological.com	126		
			07 00 00 THERMAL & MOISTURE PROTECTION	<b>RSI Roofing &amp; Building Supply</b> 39,40 1081 Makepono St Honolulu, HI 96819 T 808-847-2077 F 808-842-6646 www.rsihawaii.com info@rsihawaii.com
			09 00 00 FINISHES	<b>RW Supply</b> 51,52, 57 95-1052 Puneki St Mililani, HI 96789 T 808-626-1900 F 808-626-1908
				<b>S</b>
			CLEANING SERVICES	<b>Safe Day Events</b> 100,126 2547 Ala Wai Blvd #702 Honolulu, HI 96815 T 808-232-6152 F 808-295-5013 www.safedayevents.com safedaywaikiki@gmail.com
			CLEANING VEHICULAR	<b>Safety Systems Hawai'i, Inc.</b> 101, 102,123 815-C Waiakamilo Rd Honolulu, HI 96817 T 808-847-4017 F 808-842-1233 www.safetysystemshawaii.com safetysystems@hawaii.rr.com
			10 00 00 SPECIALTIES	<b>Sandwich Isle Pest Solutions</b> 67 96-1368 Waihona St Pearl City, HI 96837 T 808-456-7716 F 808-456-7266 www.sandwichisle.com mjbotha@sandwichisle.com
			08 00 00 OPENINGS	<b>Servco Raynor Overhead Doors</b> 43 2841 Pukoloa St Honolulu, HI 96819 T 808-564-2462 F 808-676-5800 www.servcoraynor.com

CSI #	VENDOR or MANUFACTURER	PAGE #			
09 00 00 FINISHES	<b>Shaw Industries</b> 219 Uilama St Kailua, HI 96734 T 808-349-8127 F 877-642-2230 shawfloors.com mark.mcguinness@shawinc.com	56	07 00 00 THERMAL & MOISTURE PROTECTION	<b>Solaris Art</b> P.O. Box 62094 Honolulu, HI 96839 T 808-585-0555 F 808-585-0556 www.solarisart.com jason@solarisart.com	38,45, 47,84
03 00 00 CONCRETE	<b>ShelterWorks Ltd.</b> 427 North 15th Philomath, OR 97370 T 541-929-8010 F 541-929-8011 www.faswall.com tomvd@faswall.com	29,91	23 00 00 HVAC	<b>Solaro Energy Co.</b> 18277 Pasadena St, Suite 105 Lake Elsinore, CA 92530 T 888-355-5786 F 951-674-4974 www.SolaroEnergy.com Info@SolaroEnergy.com	83, 85,96
32 00 00 EXTERIOR IMPROVE- MENTS			26 00 00 ELECTRICAL		
05 00 00 METALS	<b>Simpson Strong-Tie Company</b> 808 Ahua St, MB#85 Honolulu, HI 96819 T 808-479-1216 F 808-235-7863 www.strongtie.com twaite@strongtie.com	30	48 00 00 ELECTRICAL POWER GENERATION		
08 00 00 OPENINGS	<b>Skylights of Hawai'i, LLC</b> 120 Sand Island Access Rd # 6 Honolulu, HI 96819 T 808-847-5500 F 808-847-2244 www.skylightsofhawaii.com info@skylights-of-hawaii.com	44,45, 46,47, 82	12 00 00 FURNISHINGS	<b>So'mace Lifestyle</b> 1115 Young St Honolulu, HI 96814 T 808.593.8780 F 808.356.0772 www.somacelifestyle.com info@somacedesign.com	72, 74,75
23 00 00 HVAC			09 00 00 FINISHES	<b>Sto Corp.</b> P.O. Box 775 Waialua, HI 96791 T 808-637-9750 F 808-356-0292 www.stocorp.com	65
48 00 00 ELECTRICAL POWER GENERATION	<b>Smart Energy Hawai'i, a divison of 21st Century Technologies Hawai'i</b> 5823 Kalaniana'ole Hwy Honolulu, HI 96821 T 808-373-4559 F 808-373-1740 www.greensolutionshawaii.com estricker@greensolutionshawaii.com	94	48 00 00 ELECTRICAL POWER GENERATION	<b>Sunco</b> 2116 Lauwiliwili St, Ste. F Kapolei, HI 96707 T 808-535-5000 F 808-535-5000 www.suncohawaii.com info@suncohawaii.com	95
06 00 00 WOOD PLASTICS & COMPOSITES	<b>Smith &amp; Fong Plyboo</b> 475 6th St San Francisco, CA T 415-896-0577 http://plyboo.com/blog sales@plyboo.com	34,53	46 00 00 WATER AND WASTE-WATER EQUIPMENT	<b>Sustainable Marketplace of the Pacific</b> 925 Bethel St, Suite 100 Honolulu, HI 96813 T 808-441-3455 sustainablemarketplacepacific.com	93
09 00 00 FINISHES					



CSI #	VENDOR or MANUFACTURER	PAGE #		
	<b>T</b>			
09 00 00 FINISHES	<b>T&amp;A Supply Company, Inc.</b> 98-055 Kamehameha Hwy Building C-1 Aiea, HI 96701 T 800-562-2857 F 808-626-5251 www.tasupply.com	54, 56,57, 58,59		
09 00 00 FINISHES	<b>Tandus Flooring</b> 311 Smith Industrial Blvd Dalton, GA 30721 T 800-241-4902 F 706-259-2102 www.tandus.com bostrow@tandus.com	54		
31 00 00 EARTHWORK	<b>Termimesh Hawai'i, Inc.</b> 1406 Colburn St. No. 201C Honolulu, HI 96817 T 808-843-1968 F 808-843-0100 termimeshhawaii.com tmhi@alohano.com	89		
09 00 00 FINISHES	<b>The Old Fashioned Milk Paint Co., Inc.</b> 436 Main St Groton, MA 01450 T 866-350-6455 F 978-448-2754 www.milkpaint.com anne@milkpaint.com	64,65		
CLEANING VEHICULAR	<b>Toolmaster Hawai'i Inc.</b> 3061 Aukele St Lihue, HI 96766 T 808-246-1000 F 808-246-1155 www.toolmasterhawaii.com info@toolmasterhawaii.com	98,100, 123		
11 00 00 EQUIPMENT	<b>Totally Green, Inc.</b> 1136 Union Mall, Suite 405 Honolulu, HI 96813 T 808-372-6417 www.totallygreen.com ryan@totallygreen.com	68		
			12 00 00 FURNISHINGS	<b>Transformations Furniture</b> 75 16840 State Rd 37 Harlan, IN 46743 T 800-440-9337 F 260-657-5691 www.trfurniture.com info@trfurniture.com
			07 00 00 THERMAL & MOISTURE PROTECTION	<b>Tremco Inc.</b> 40 P.O. Box 700411 Kapolei, HI 96709 T 800-852-8172 F 216-292-5036 Tremcosealants.com TSCS@tremcoinc.com
			09 00 00 FINISHES	<b>Tri-West Ltd.</b> 54, 56,57, 58,60 94-440 Koaki St Waipahu, HI 96797 T 808-678-0002 F 808-678-0100 www.triwestltd.com smakinodan@triwestltd.com
				<b>V</b>
			06 00 00 WOOD PLASTICS & COMPOSITES	<b>Vandermeer Forest Products</b> 32, 39,41 3105 Catherine St Honolulu, HI 96815 T 808-620-0857 F 808-450-3438 www.vandermeerfp.com rcounter@vandermeerfp.com
			07 00 00 THERMAL & MOISTURE PROTECTION	
			09 00 00 FINISHES	<b>Vermont Natural Coatings</b> 65,103 190 Junction Rd Hardwick, VT 05843 T 802-472-8700 F 802-472-8755 www.vermontnaturalcoatings.com lpontius@vermontnaturalcoatings.com
			CLEANING	
			06 00 00 WOOD PLASTICS & COMPOSITES	<b>Viance LLC</b> 32,33 200 E. Woodlawn Road, Suite 350 Charlotte, NC 28217 T 704-522-0825 F 704-527-8232 www.treatedwood.com

CSI #	VENDOR or MANUFACTURER	PAGE #		
	<b>W</b>			
11 00 00 EQUIPMENT	<b>Waikiki Worm Company</b> 1917 S. King St Honolulu, HI 96826 T 808-945-9676 www.waikikiworm.com waikikiworm@hawaii.rr.com	68,69, 90,91	03 00 00 CONCRETE	<b>Williams Pacific, Inc.</b> 1212 Nuuanu Ave, Suite 3106 Honolulu, HI 96817 T 808-545-1782 williamsc034@hawaii.rr.com
32 00 00 EXTERIOR IMPROVE- MENTS			09 00 00 FINISHES	
09 00 00 FINISHES	<b>Wallpaper Hawai'i Ltd.</b> P.O. Box 11827 Honolulu, HI 96828 T 808-735-2861 F 808-734-8351 audrey@wallpaperhawaii.com	65	12 00 00 FURNISHINGS	<b>Window World, Inc.</b> 2620 Waiwai Loop Honolulu, HI 96819 T 808-834-1114 F 808-834-4442 www.windowworldhi.com info@windowworldhi.com
22 00 00 PLUMBING	<b>Waterless Co. Inc.</b> 1050 Joshua Way Vista, CA 92081 T 760-727-7723 F 760-727-7775 www.waterless.com klaus@waterless.com	78,80	09 00 00 FINISHES	<b>Woodcraft</b> 1311 Kalani Honolulu, HI 96817 T 808-841-9876 F 808-841-1234 www.woodcraft.com honolulu-retail@woodcraft.com
VEHICULAR	<b>Wheego Electric Cars, Inc.</b> 2845 Kilihau St Honolulu, HI 98819 www.wheego.net info@wheego.net	123		<b>Y</b>
09 00 00 FINISHES	<b>Waynes Flooring America</b> 3025 Waialae Ave Honolulu, HI 96816 T 808-735-3005 F 808- 732-1934 www.waynesflooringhawaii.com info@waynesflooringhawaii.com	56,58	09 00 00 FINISHES	<b>Yama's Painting</b> P.O. Box 4890 Kaneohe, HI 96744 T 808-256-3143 F 808-239-5197 yamaspainting@yahoo.com
07 00 00 THERMAL & MOISTURE PROTECTION	<b>West Coast Roofing, Inc.</b> 85-843 Farrington Hwy Waianae, HI 96792 T 808-623-0677 F 808-261-3379 www.westcoastroofinginc.com	38,39		

non-toxic  
 recyclable  
 non-toxic  
 water efficient  
 biobased zero VOC  
 energy efficient  
 rapidly renewable  
 durable  
 zero VOC  
 reused  
 non-toxic  
 durable  
 biobased  
 reused  
 zero VOC  
 reused  
 biobased  
 zero VOC  
 recycled content  
 non-toxic  
 biobased  
 recyclable  
 durable  
 zero VOC  
 reused  
 biodegradable  
 non-toxic  
 recycled content



**DBEDT**  
 THE DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT & TOURISM  
 STATE OF HAWAII

