

WAUSAU TILE LEED REFERENCE GUIDE



Quote from Toral Jha, Executive Director of Associated Recyclers of Wisconsin

“It was a sincere pleasure meeting you and taking a tour of your facility. I was very impressed by what you have accomplished at Wausau Tile and I look forward to continued dialogue with you to celebrate the successes of your company and translating them into a model for the private sector.”

As a leader in our industry, Wausau Tile, Inc. has gone to great lengths to safeguard the environment. We continue our attempt to discover new ways to reduce the waste we generate and to find sources that will use our waste products in environmentally sound manners. We take great pride in educating our employees, customers and the communities in which we live, work and play on the principles of environmental stewardship.

2009 Recycling Report – Wausau Tile	
Items Recycled	Total lbs. NOT Put in a Landfill
cardboard, paper & aluminum	86,160
steel scrap, banding	88,404
excess foam	16,920
pallets, wood	737,974
concrete waste	9,697,600
rubber	21,719
plastic	71,002
recycled water	38,150,000 gallons (2009 estimated)
recycled water	56,150,000 gallons (2010 projected)

This chart illustrates Wausau Tile's continuing efforts to be environmentally conscious. The data has been documented by third party companies who work directly with Wausau Tile.

Our environmental stewardship extends to the manufacturing processes we employ as well as to our end products.

NEW Recycled Porcelain

Our newest line, EcoPremier, is recycled porcelain and can be a 100% direct replacement of aggregate in our concrete-based products.

Recycled Glass

Using an innovative process, we are able to use recycled glass aggregate in all of our concrete and epoxy-based products. The glass aggregate percentage by weight/volume can be up to 56% in some products. In 2009 we have used over 1.1 million pounds of recycled glass in our manufactured products.

Recycled Plastic

We use recycled plastic material to manufacture waste container liners and bench components.

Recycled Rubber

Our Terra-Tabs and Terra-Shims, used with our roof deck pedestal systems, are made with 100% pre-consumer recycled rubber.

Fly Ash

We reduce the amount of cement necessary in our products by substituting a portion of the cement with fly ash.

Slag

We utilize slag in manufacturing our concrete-based products, when possible.

Recycled Steel

We use recycled steel to produce our line of metal site furnishing that include planters, benches, tables, waste containers and snuffers. The steel rebar reinforcement used in our concrete products is made from recycled steel, as well.

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The following information is a guide to the LEED credit categories associated with Wausau Tile products that could help contribute to the LEED certification of your projects. These credits and descriptions are based on LEED 2009 and are subject to change with revision updates.

Category	Purpose	How Wausau Tile's Products May Qualify
SS Credit 4.2 Alternative Transportation: Bicycle Storage and Changing Rooms	Reducing the reliance on automobiles will reduce pollution and the need for more highways.	Wausau Tile manufactures bicycle racks out of concrete and steel. Our concrete racks can incorporate recycled glass or porcelain aggregates into the design. The steel also contains a measurable percentage of recycled material.
SS Credit 5.2 Site Development: Maximize Open Space	To promote biodiversity by providing a high ratio of open space to development footprints.	Wausau Tile offers a wide variety of hardscape options (i.e., planters) that may allow for the minimum requirement of 25% of the open space counted must be vegetated.
SS Credit 6.1 Storm Water Design- Quantity Control	To limit disruption of natural hydrology by reducing impervious cover, increasing on-site infiltration, reducing or eliminating pollution from storm water runoff and eliminating contaminants.	Wausau Tile manufactures a complete line of permeable pavers that can be used in your project to reduce storm water runoff.
SS Credit 6.2 Storm Water Design- Quality Control	To limit disruption and pollution of natural water flows by managing storm water runoff.	Wausau Tile manufactures a complete line of permeable pavers that can be used in your project to reduce storm water runoff. Our permeable paving systems are 87.1% impervious.
SS Credit 7.1 Heat Island Effect Non-Roof	To reduce heat islands in order to minimize impact on microclimates, human and wildlife habitats.	Wausau Tile manufactures a variety of paving products with a minimum SRI of 34 up to 88. Wausau Tile also manufactures recycled glass aggregate pavers that offer an SRI of 62.
SS Credit 7.2 Heat Island Effect-Roof	To reduce heat islands to minimize impact on microclimates, human and wildlife habitats.	Wausau Tile manufactures Cool Pavers paving products that have a minimum SRI of 79, all the way up to 88, that can be used to cover a minimum of 75% of the roof surface. Wausau Tile also manufactures a recycled glass aggregate paver that offers an SRI of 62.
WE Credit 1.1 Water Efficient Landscaping Reduce by 50%	To limit or eliminate the use of potable water or other natural surface or subsurface water resources available on or near the project site for landscape irrigation.	Wausau Tile manufactures planters that are capable of housing a reservoir system that helps conserve water. The reservoir system uses a hidden fill pipe that directs water to the roots, and fabric wicks that provide continuous moisture and reduce evaporation.

Category	Purpose	How Wausau Tile's Products May Qualify
MR Credit 2 Construction Waste Management <i>Divert 50% from Disposal</i>	To divert construction and demolition debris from disposal in landfills and incineration facilities. Redirect recyclable recovered resources back to the manufacturing process, and reusable materials to appropriate sites.	Wausau Tile uses 100% recyclable packaging materials (pallets, cardboard cartons and shrink wrap) for transporting its products. In addition, the cardboard cartons and shrink wrap contain recycled material and can be recycled on the jobsite.
MR Credit 2 Construction Waste Management <i>Divert 75% from Disposal</i>	To divert construction and demolition debris from disposal in landfills and incineration facilities. Redirect recyclable, recovered resources back to the manufacturing process, and reusable materials to appropriate sites.	Wausau Tile uses 100% recyclable packaging materials (pallets, cardboard cartons and shrink wrap) for transporting its products. In addition, the cardboard cartons and shrink wrap contain recycled material and can be recycled on the jobsite.
MR Credit 4 Recycled Content: <i>10% (post-consumer + 1/2 pre-consumer)</i>	To increase demand for building products that incorporate materials with recycled content, thereby reducing the negative impacts resulting from the extraction and processing of virgin materials.	Wausau Tile uses a variety of recycled materials in order to aid in reducing the amount of virgin material needed to manufacture our products.
MR Credit 4 Recycled Content: <i>20% (post-consumer + 1/2 pre-consumer)</i>	To increase demand for building products that incorporate materials with recycled content, thereby reducing the negative impacts resulting from extraction and processing of virgin materials.	Wausau Tile uses a variety of recycled materials in order to aid in reducing the amount of virgin material needed to manufacture our products.
MR Credit 5 Regional Materials <i>10% Extracted, Processed and Manufactured Regionally</i>	To increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the use of indigenous resources reducing the negative environmental impacts resulting from transportation.	Wausau Tile makes it a practice to purchase competitively priced materials, when available, from vendors within 500 miles of our manufacturing facility. If the project is located within a 500 mile radius of Wausau Tile's manufacturing facility, and depending on where the materials are extracted, the products may contribute toward the requirements of MR Credit 5.
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Our priorities as responsible environmental stewards include reducing waste in our manufacturing processes, developing products friendly to the environment, and maintaining a leadership role within our industry in protecting our natural resources.

For updates on our progress, please visit our web site: www.wausautile.com



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