DURCON
A WILSONART COMPANY

DURCON GREENSTONE EPOXY LEED CREDIT GUIDE

Greenstone
Sustainable Epoxy Worksurfaces

Product & Company Identification	
Product Name	Durcon Epoxy Greenstone worksurfaces and sinks
Product Use	Laboratory grade countertops, sinks and accessories
Manufactured By	Durcon A Wilsonart Company 206 Allison Drive Taylor, TX 76574 (512) 595-8000
Description	Durcon Greenstone Epoxy Resin is a molded product manufactured, fabricated and distributed by Durcon A Wilsonart Company in Taylor, Texas. Durcon offers Greenguard Gold certified formulations for Epoxy Resin worksurfaces and sinks. The following sections detail the potential LEED points this material may apply toward.

Credit MR 3.1 & 3.2	Materials Reuse: 5% or 10%
Intent	Reuse building materials and products in order to reduce demand for virgin materials and to reduce waste, thereby reducing impacts associated with the extraction and processing of virgin resources
Requirement	Use salvaged, refurbished or reused materials such that the sum of these materials constitutes at least 5% or 10%, based on cost, of the total value of materials on the project. Mechanical, electrical and plumbing components and specialty items such as elevators and equipment shall not be included in this calculation. Only include materials permanently installed in the project. Furniture may be included, providing it is included consistently in MR Credits 3–7.
Possible Points	1 or 2

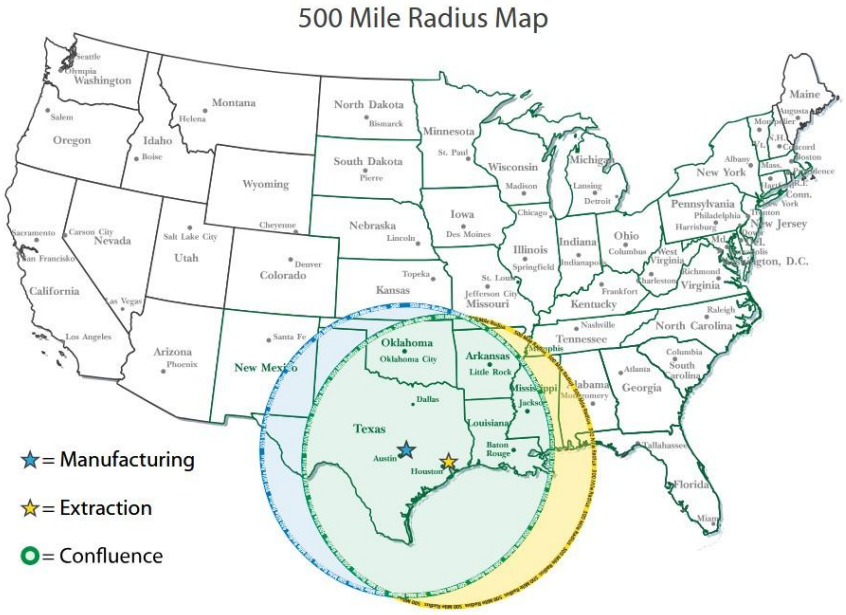
Credit EQ 4.1	VOC Content – Healthcare and School Buildings
VOC Content 1p1.5	0.238 g/L
Possible Points	1

Credit MR 1.3	Building Reuse: Maintain 50% of Interior Non-Structural Elements
Intent	Extend the life cycle of existing building stock, conserve resources, retain cultural resources, reduce waste and reduce environmental impacts of new buildings as they relate to materials manufacturing and transport

Requirement	Use existing interior non-structural elements (interior walls, doors, floor coverings and ceiling systems) in at least 50% (by area) of the completed building (including additions). If the project includes an addition to an existing building, this credit is not applicable if the square footage of the addition is more than 2 times the square footage of the existing building
Possible Points	1

Credit MR 2.1 & 2.2	Construction Waste Management: Divert 50% or 75% from Disposal
Intent	Divert construction and demolition debris from disposal in landfills and incinerators. Redirect recyclable recovered resources back to the manufacturing process. Redirect reusable materials to appropriate sites.
Requirement	Recycle and/or salvage at least 50% or 75% of non-hazardous construction and demolition debris. Develop and implement a construction waste management plan that, at a minimum, identifies the materials to be diverted from disposal and whether the materials will be sorted on-site or co-mingled. Excavated soil and land-clearing debris do not contribute to this credit. Calculations can be done by weight or volume, but must be consistent throughout
Possible Points	1 or 2

Credit MR 4.1	Recycled content - 10% (post-consumer + 1/2 pre-consumer)
Intent	Increase demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials
Requirement	Use materials with recycled content such that the sum of post-consumer recycled content plus one-half of the pre-consumer content constitutes at least 10% (based on cost) of the total value of the materials in the project. The recycled content value of a material assembly shall be determined by weight. The recycled fraction of the assembly is then multiplied by the cost of assembly to determine the recycled content value. Mechanical, electrical and plumbing components and specialty items such as elevators and equipment shall not be included in this calculation. Only include materials permanently installed in the project. Furniture may be included, providing it is included consistently in MR Credits 3–7. Recycled content shall be defined in accordance with the International Organization of Standards document, ISO 14021—Environmental labels and declarations—Self-declared environmental claims (Type II environmental labeling). Post-consumer material is defined as waste material generated by households or by commercial, industrial and institutional facilities in their role as end-users of the product, which can no longer be used for its intended purpose. Pre-consumer material is defined as material diverted from the waste stream during the manufacturing process. Excluded is reutilization of materials such as rework, regrind or scrap generated in a process and capable of being reclaimed within the same process that generated it.
Possible Points	1

Credit MR 5.1 & 5.2	Regional materials - 10% or 20% extracted, processed and manufactured regionally
Intent	Increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the use of indigenous resources and reducing the environmental impacts resulting from transportation
Requirement	Use building materials or products that have been extracted, harvested or recovered, as well as manufactured, within 500 miles of the project site for a minimum of 10% or 20% (based on cost) of the total materials value. If only a fraction of a product or material is extracted/harvested/recovered and manufactured locally, then only that percentage (by weight) shall contribute to the regional value. Mechanical, electrical and plumbing components and specialty items such as elevators and equipment shall not be included in this calculation. Only include materials permanently installed in the project. Furniture may be included, providing it is included consistently in MR Credits 3–7.
Possible Points	1 or 2

Material	**Percentage by Weight**	**Source Location**	**Distance**
Silica	Appx 60%	Houston, TX	154 mi
Epoxy Resin and Reactive Agents	Appx 25%	Various Sources	N/A
Post-Consumer Recycled Glass	Appx 10%	Various Sources	N/A
Pigment	Appx 5%	Ashtabula, OH	1400 mi