



**Manufacturer**      **ECOBETON Deutschland GmbH**

**Product Name**      **EverCrete®**



### Product Rating

- The product fulfills the requirements for paints and coatings and contribute to achieve one LEED credit within IEQ Credit 4.2.
- The product fulfills the requirements for floor finishes such as sealer, stain and finish for low-emitting Flooring Systems and contribute to achieve one LEED credit within IEQ Credit 4.3.

### Indoor Environmental Quality (IEQ) - LEED Category

IEQ Credit 4.1: Low Emitting Materials: <b>Adhesives and Sealants</b>	1 Point	<input type="radio"/>
IEQ Credit 4.2: Low Emitting Materials: <b>Paints and Coatings</b>	1 Point	<input checked="" type="checkbox"/>
IEQ Credit 4.3: Low Emitting Materials: <b>Flooring Systems</b>	1 Point	<input checked="" type="checkbox"/>
IEQ Credit 4.4: Low Emitting Materials: <b>Composite Wood and Agrifiber Products</b>	1 Point	<input type="radio"/>

### Materials and Resources (MR) - LEED Category

MR Credit 4: <b>Recycled Content</b>	1-2 Points	0%
MR Credit 5: <b>Regional Materials</b>	1-2 Points	See Location
MR Credit 6: <b>Rapidly Renewable Materials</b>	1 Point	<input type="radio"/>
MR Credit 7: <b>Certified Wood</b>	1 Point	<input type="radio"/>

### Product Characteristics

EverCrete ist ein modifiziertes Natiumsilikat mit einem einzigartigen Katalysator, der die Tiefeneindringung in den Baustoff bewirkt. EverCrete® geht einen Verbund mit Beton oder zementgebundene Baustoffe ein und "liegt" nicht wie andere Produkte auf dem Beton, sondern "verglast" bis zu einer Tiefe von 35 mm (bei normalen C20/25). EverCrete® kann dadurch nicht von der Oberfläche abplatzen und schützt den Beton so am optimalsten gegen Wassereindringen (Tests bis 7 bar), chem. Angriffe bis pH 2,5 (bei Tests bis zu < pH 1), erhöhte Abriebfestigkeit nach Din EN 13813 Klasse A 6, verbesserte Beständigkeiten nach Rilem CDF XF 4 usw.. Keine Plastifizierer, Tenside, Alkohole und Lösungsmittel (nach EU Richtlinie 2004/42/EG).

### About LEED & Products - [www.usgbc.org](http://www.usgbc.org)

This declaration helps to assess products easily according the certification system LEED® 2009 New Construction and Major Renovations NC & CS (excluded SCHOOLS). Products are not reviewed or certified by LEED. LEED credit requirements cover the performance of materials in aggregate, not the performance of individual products or brands. For more information about LEED visit [www.usgbc.org/leed](http://www.usgbc.org/leed). The project team or the manufacturer is responsible to declare the compliance with the project requirements to achieve LEED points.

Below you find an explanation of the symbols. Detailed information are on the next pages.

- Credit requirements fulfilled - the credit point can be achieved**
- Credit is not applicable to this product**
- 22%** **X% of the product comply with the credit requirement**
- **Required data not specified - for required data contact manufacturer**
- Credit requirements are not fulfilled**



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### Detailed Rating

#### IEQ Credit 4.1: Low Emitting Materials: Adhesives and Sealants (1 Point)

Intent	Requirement	Contribution of Product
Reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants caused by adhesives and sealants applied on site.	<p>All adhesive, sealants and sealant primers used on the interior of the building (defined as inside of the weatherproofing system and applied on-site) must comply shall comply with the VOC content limits of the following:</p> <ul style="list-style-type: none"> <li>▪ SCAQMD Rule #1168 (effective date of July 1, 2005 and rule amendment date of January 7, 2005),</li> <li>▪ Aerosol Adhesives must comply with Green Seal Standard for Commercial Adhesives GS-36 requirements in effect on October 19, 2000.</li> </ul>	The product is no adhesive or sealant.

#### IEQ Credit 4.2: Low Emitting Materials: Paints and Coatings (1 Point)

Intent	Requirement	Contribution of Product
Reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants caused by paints and coatings applied on site.	<p>Paints and coatings used on the interior of the building (defined as inside of the weatherproofing system and applied on-site) must comply with the VOC content limits of the following:</p> <ul style="list-style-type: none"> <li>▪ Green Seal Standard GS-11, Paints Edition, May 20, 1993,</li> <li>▪ Green Seal Standard GC-03, Anti-Corrosive Paints, Second Edition, January 7, 1997, and</li> <li>▪ South Coast Air Quality Management District (SCAQMD) Rule 1113, Architectural Coatings, rules in effect on January 1, 2004.</li> </ul>	<p>The VOC-content is 0g/l. The valid VOC-limit in the category 'Primers, Sealers and Undercoaters' according to SCAQMD Rule 1113 is 100g/l. Thus the requirements are fulfilled.</p>

#### IEQ Credit 4.3: Low Emitting Materials: Flooring Systems (1 Point)

Intent	Requirement	Contribution of Product
Reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants caused by carpets and other hard surface flooring.	<ul style="list-style-type: none"> <li>▪ All carpet must meet the testing and product requirements of the Carpet and Rug Institute Green Label Plus program,</li> <li>▪ all carpet cushion must meet the requirements of the Carpet and Rug Institute Green Label' program,</li> <li>▪ all carpet adhesives must meet the VOC-limit of 50g/l according to IEQ Credit 4.1,</li> <li>▪ all hard surface flooring must be certified as compliant with the FloorScore standard (current as of the date of this rating system, or more stringent version) by an independent third-party,</li> <li>▪ concrete, wood, bamboo and cork floor finishes such as sealer, stain and finish must, meet the requirements of SCAQMD Rule 1113 (January 1, 2004),</li> <li>▪ tile setting adhesives and grout must meet SCAQMD Rule 1168 (July 1, 2005) VOC limits correspond.</li> </ul>	<p>The product fulfills the requirements for floor finishes such as sealer, stain and finish for low-emitting Flooring Systems. The VOC-content is 0g/l. The valid VOC-limit in the category 'Primers, Sealers and Undercoaters' according to SCAQMD Rule 1113 is 100g/l. Thus the requirements are fulfilled.</p>

#### IEQ Credit 4.4: Low Emitting Materials: Composite Wood and Agrifiber Products (1 Point)

Intent	Requirement	Contribution of Product
Reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants caused by composite wood and agrifiber products.	<p>Composite wood and agrifiber products used on the interior of the building (i.e., inside the weatherproofing system) must contain no added urea-formaldehyde resins. Laminating adhesives used to fabricate on-site and shop-applied composite wood and agrifiber assemblies must not contain added urea-formaldehyde resins.</p>	The product is not made from wood.



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### Detailed Rating

#### MR Credit 4: Recycled Content (1-2 Points)

Intent	Requirement	Contribution of Product
To increase demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials.	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%/20% (based on cost) of the total value of the materials in the project. The minimum percentage materials recycled for each point threshold is as follows: <ul style="list-style-type: none"> <li>▪ 10% Recycled Content -&gt; 1 Point</li> <li>▪ 20% Recycled Content -&gt; 2 Points.</li> </ul>	The product contains the following quantity of recycled materials : Post-Consumer: 0% Pre-Consumer: 0 %  Accountable recycled content is 0% (1 x Post-Consumer + 0.5 x Pre-Consumer).

\* Recycled content is defined in accordance with the International Organization of Standards document, ISO 14021 — Environmental labels and declarations — Self-declared environmental claims (Type II environmental labeling).

\*\* Postconsumer 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.

\*\*\* Preconsumer material is defined as material diverted from the waste stream during the manufacturing process. Reutilization of materials (i.e., rework, regrind or scrap generated in a process and capable of being reclaimed within the same process that generated it) is excluded.

#### MR Credit 5: Regional Materials (1-2 Points)

Intent	Requirement	Contribution of Product
To 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.	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, or recovered and manufactured locally, then only that percentage (by weight) must contribute to the regional value. The minimum percentage regional materials for each point threshold is as follows: <ul style="list-style-type: none"> <li>▪ 10% Regional Materials -&gt; 1 Point</li> <li>▪ 20% Regional Materials -&gt; 2 Points.</li> </ul>	Location of extraction/harvesting: Vicenza (I) + 30km  Location of manufacturing: Vicenza (I)

#### MR Credit 6: Rapidly Renewable Materials (1 Points)

Intent	Requirement	Contribution of Product
To reduce the use and depletion of finite raw materials and long-cycle renewable materials by replacing them with rapidly renewable materials.	Use rapidly renewable building materials and products for 2.5% of the total value of all building materials and products used in the project, based on cost. Rapidly renewable building materials and products are made from plants that are typically harvested within a 10-year or shorter cycle.	The product contains no rapidly renewable materials.

#### MR Credit 7: Certified Wood (1 Points)

Intent	Requirement	Contribution of Product
To encourage environmentally responsible forest management.	Use a minimum of 50% (based on cost) of wood-based materials and products that are certified in accordance with the Forest Stewardship Council's principles and criteria, for wood building components. These components include at a minimum, structural framing and general dimensional framing, flooring, sub-flooring, wood doors and finishes.	The product is not made from wood.



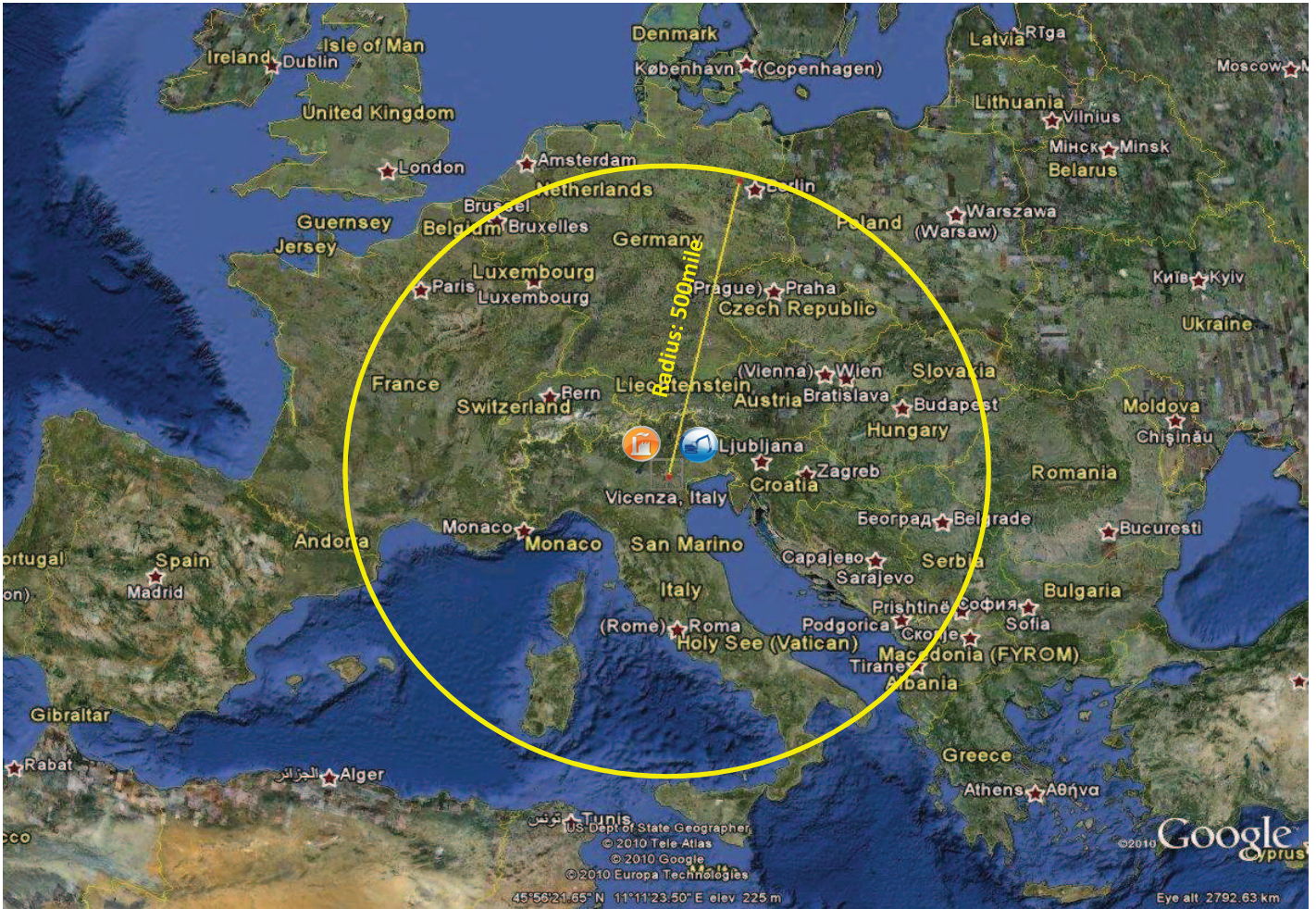


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**Location of extraction and production - Regional Materials**



**Legend**



**Location of extraction/harvesting/recovering of resources for the manufacturing process.**



**Location of manufacturing**

Radius: 500 mile

**500 mile radius around place of extracting/harvesting and manufacturing**

**Regional Materials**

Use building materials or products that have been extracted, harvested or recovered, as well as manufactured, within 500 miles of the project site, based on cost of the total materials value. If only a fraction of a product or material is extracted, harvested, or recovered and manufactured locally, then only that percentage (by weight) must contribute to the regional value.