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ICT – Product Declaration

LEED® 2009 New Construction and Major Renovations NC & CS

Manufacturer: **Material Innovative Gesellschaft mbH**

Product Name: **MIG ESP® Coating**

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 contains 14.4 % recycled materials and contribute to achieve LEED credits within MR Credit 4.
- Depending on the building project location the product fulfills the requirements for regional extracted and manufactured materials (see locations). The product might contribute to achieve LEED credits within MR Credit 5.

Indoor Environmental Quality (IEQ) - LEED Category

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

Materials and Resources (MR) - LEED Category

MR Credit 4:	Recycled Content	1 - 2 Points	14.4 % <input checked="" type="checkbox"/>
MR Credit 5:	Regional Materials	1 - 2 Points	See location <input checked="" type="checkbox"/>
MR Credit 6:	Rapidly Renewable Materials	1 Point	<input type="checkbox"/>
MR Credit 7:	Certified Wood	1 Point	<input type="checkbox"/>

Product Characteristics

MIG - ESP® for Interior Walls

About LEED & Products - www.usgbc.org

This declaration helps to assess products easily according to the certification system LEED® 2009 New Construction and Major Renovations NC & CS (excluding 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. The project team or the manufacturer is responsible to declare the compliance with the project requirements to achieve LEED points.

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

Intent

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.

Requirement

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:

- SCAQMD Rule #1168 (effective date of July 1, 2005 and rule amendment date of January 7, 2005),
- Aerosol Adhesives must comply with Green Seal Standard for Commercial Adhesives GS-36 requirements in effect on October 19, 2000.

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

Intent

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.

Requirement

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:

- Green Seal Standard GS-11, Paints Edition, May 20, 1993,
- Green Seal Standard GC-03, Anti-Corrosive Paints, Second Edition, January 7, 1997,
and
- South Coast Air Quality Management District (SCAQMD) Rule 1113, Architectural Coatings, rules in effect on January 1, 2004.

Detailed Rating

No	Product Name	Manufacturer	Related Credit	Product Type	VOC-Content		Contribution of Product	
					Allowable	Product		
A1	MIG - ESP®	Material Innovative Gesellschaft mbH	IEQ Credit 4.2	Flat Low-VOC Paints (Green Seal Standard GS-11)	50 g/l	<1 g/l	The product fulfills the requirements for paints & coatings.	<input checked="" type="checkbox"/>

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

Inhaber: Dipl.-Chem.Ing. Burkhard Brandt VerbundVolksbank OWL IBAN: DE92 4726 0121 9228 0408 00
BIC: DGPBDE33MXXX USt-IdNr.: DE221682869 StNr. 351/5025/1248 Finanzamt Paderborn

Intent

To 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%/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:

- 10% Recycled Content -> 1 Point
- 20% Recycled Content -> 2 Points.

* 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.

Detailed Rating

No	Product Name	Manufacturer	Related Credit	Product Type	Recycled Content		Contribution of Product	
					Post-Consumer	Pre-Consumer		
A2	MIG - ESP®	Material Innovative Gesellschaft mbH	MR Credit 4	Flat Low-VOC Paints (Green Seal Standard GS-11)	7%	7.4%	Accountable recycled content according to LEED is 14.4%	<input checked="" type="checkbox"/>

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

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.

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, 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:

- 10% Regional Materials -> 1 Point


- 20% Regional Materials -> 2 Points.

Detailed Rating

No	Product Name	Manufacturer	Related Credit	Product Type	Location Harvesting/ Extraction	Location Manufacturing	
A3	MIG - ESP®	Material Innovative Gesellschaft mbH	MR Credit 5	Flat Low-VOC Paints (Green Seal Standard GS-11)	not specified	Germany / Salzkotten	<input checked="" type="checkbox"/>

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