

Dipl.-Chem.Ing. Burkhard Brandt

Von-Eichendorff-Str. 46a
33106 Paderborn
Telefon: (05254) 662495
Telefax: (05254) 662494
E-mail: ICTBrandt@aol.com

ICT – Product Declaration

LEED® 2009 New Construction and Major Renovations NC & CS

Manufacturer: Material Innovative Gesellschaft mbH

Product Name: MIG ESP® (MIG - Energy Saving Paint®)

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 - Energy Saving Paint® for Interior Walls

Inhaber: Dipl.-Chem.Ing. Burkhard Brandt Volksbank Bad Lippspringe BLZ: 47260121 Konto: 922 8040 800
USt-IdNr.: DE221682869 StNr. 351/5025/1248 Finanzamt Gütersloh

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 (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. 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 - Energy Saving Paint®	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 Volksbank Bad Lippspringe BLZ: 47260121 Konto: 922 8040 800
USt-IdNr.: DE221682869 StNr. 351/5025/1248 Finanzamt Gütersloh

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 - Energy Saving Paint®	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

Detailed Rating

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

Notice: This declaration is a product of ICT. The distribution by third parties is prohibited. This declaration is no official certificate in terms of LEED. The contents are based on manufacturer specifications. In spite of a diligent treatment of all information ICT cannot guarantee the actuality or correctness of the published data. The interpretation of the LEED criteria requirements can differ and depend on the project and the scope of application. In spite of a diligent treatment of all information ICT cannot guarantee the correctness of evaluation in terms of the LEED requirements. The user of this declaration, the consumer of the product and the consultant/planner, who is advising this product in any construction projects, is responsible by himself to proof all data published in this document and to verify the permissibility for the designated application.

The content of this data sheet does not manifest any legal relationship. With the publication of a new edition, this declaration can no longer be considered to be valid. The latest version is available in the internet.

ICT INGENIEURBÜRO für CHEMIE und TECHNOLOGIE
 Dipl.-Chem. Ing. Burkhard Brandt
 Von Eichendorffstr. 46 a 33106 Paderborn
 Tel.: 0 52 54 - 66 24 95 Fax: 0 52 54 - 66 24 94
 Email: ICTBrandt@aol.com