

Manufacturer SCHOMBURG GmbH & Co. KG

Product Name LIGHTFLEX

Product Rating

- The product fulfills the requirements for adhesives and sealants and contribute to achieve one LEED credit within IEQ Credit 4.1.
- The product fulfills the requirements for Flooring Systems and contribute to achieve one LEED credit within IEQ Credit 4.3.
- The product contains 27.3% recycled materials and contribute to achieve LEED credits within MR Credit 4.

Indoor Environmental Quality (IEQ) - LEED Category

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

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

 IEQ Credit 4.3: Low Emitting Materials: **Flooring Systems** 1 Point 

 IEQ Credit 4.4: Low Emitting Materials: **Composite Wood and Agrifiber Products** 1 Point 

Materials and Resources (MR) - LEED Category

 MR Credit 4: **Recycled Content** 1-2 Points 

 MR Credit 5: **Regional Materials** 1-2 Points 

 MR Credit 6: **Rapidly Renewable Materials** 1 Point 

 MR Credit 7: **Certified Wood** 1 Point 

Product Characteristics

Multi-functional flexible adhesive, Tested to DIN EN 12004 and DIN 12002 as C2 TE S1.

For interior and exterior use. Reduced dust.

Due to its deformability, LIGHTFLEX is suitable for the installation of large format tiles. LIGHTFLEX is used as a thin-bed, medium-bed or flow-bed adhesive for the secure fixing of vitrified and earthenware, ceramic tiles with low water absorption (gris pocelاناتo), clinker and mosaic and natural stone material which are neither prone to discolouration nor translucent. Low consumption. As a repair mortar for thicknesses up to 15mm in one application. Very low emissions - GEV EMICODE EC1-R PLUS

About LEED & Products - 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. 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**
 **X% of the product comply with the credit requirement**
 **Required data not specified - for required data contact manufacturer**
 **Credit requirements are not fulfilled**

Manufacturer SCHOMBURG GmbH & Co. KG



Product Name LIGHTFLEX

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	LIGHTFLEX	SCHOMBURG GmbH & Co. KG	IEQ Credit 4.1	Ceramic tile adhesives (SCAQMD Rule 1168)	65g/l	0g/l	The product fulfills the requirements for adhesives & sealants.	

Manufacturer SCHOMBURG GmbH & Co. KG



Product Name LIGHTFLEX

IEQ Credit 4.3: Low Emitting Materials: Flooring Systems (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 carpets and other hard surface flooring.

Requirement

- All carpet must meet the testing and product requirements of the Carpet and Rug Institute Green Label Plus program,
- all carpet cushion must meet the requirements of the Carpet and Rug Institute Green Label program,
- all carpet adhesives must meet the VOC-limit of 50g/l according to IEQ Credit 4.1,
- 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,
- concrete, wood, bamboo and cork floor finishes such as sealer, stain and finish must, meet the requirements of SCAQMD Rule 1113 (January 1, 2004),
- tile setting adhesives and grout must meet SCAQMD Rule 1168 (July 1, 2005) VOC limits correspond.

Detailed Rating

No	Product Name	Manufacturer	Product Type	Testing requirement/ Certificate	Contribution of Product
A1	LIGHTFLEX	SCHOMBURG GmbH & Co. KG	Tile setting adhesive and grout	Ceramic tile adhesives (SCAQMD Rule 1168)	The product fulfills the requirements for tile setting adhesives and grout for low-emitting flooring systems.



Manufacturer SCHOMBURG GmbH & Co. KG



Product Name LIGHTFLEX

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

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	Recycled Content		Contribution of Product	
			Post-Consumer	Pre-Consumer		
A1	LIGHTFLEX	SCHOMBURG GmbH & Co. KG	24%	7%	Accountable recycled content according to LEED is 27.25% (1 x Post-Consumer + 0.5 x Pre-Consumer).	27%

Manufacturer **SCHOMBURG GmbH & Co. KG**



Product Name **LIGHTFLEX**

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	Location Harvesting/ Extraction	Location Manufacturing
A1	LIGHTFLEX	SCHOMBURG GmbH & Co. KG	<370 km around Detmold	Halle/Saale (D); Detmold (D)