

Manufacturer **Schöck Bauteile GmbH**

Product Name **Schöck Isokorb® Typ CM20-CC40-H200-R120**



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 contains 65.4% 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	<input checked="" type="checkbox"/>
IEQ Credit 4.2: Low Emitting Materials: Paints and Coatings	1 Point	<input 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	65%
MR Credit 5: Regional Materials	1-2 Points	See Location
MR Credit 6: Rapidly Renewable Materials	1 Point	<input type="checkbox"/>
MR Credit 7: Certified Wood	1 Point	<input type="checkbox"/>

Product Characteristics

The Schöck Isokorb® type CM is a load bearing thermal insulation element for cantilever concrete slabs such as balconies. The Isokorb® reduces thermal bridging and avoids the risk of condensation and mould. The element transfers bending moment stress and shear forces.

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**
- 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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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	Insulation material polystyrene hard foam	BASF, Synbra	N/A	N/A	N/A	N/A	The product is no adhesive, sealant, paint or coating.	○
A2	Reinforcing steel BSt 500 S	BSW	N/A	N/A	N/A	N/A	The product is no adhesive, sealant, paint or coating.	○
A3	Stainless steel BSt 500 NR	Ugitec	N/A	N/A	N/A	N/A	The product is no adhesive, sealant, paint or coating.	○
A4	Pressure bearings HTE-module (fine concrete)	Schöck Bauteile GmbH	N/A	N/A	N/A	N/A	The product is no adhesive, sealant, paint or coating.	○
A5	HTE-module plastic coating	Chemopetrol	N/A	N/A	N/A	N/A	The product is no adhesive, sealant, paint or coating.	○
A6	cement-bound fire safety boards	Fermacell	N/A	N/A	N/A	N/A	The product is no adhesive, sealant, paint or coating.	○
A7	Hotmelt adhesive Dorus MS 294	Henkel	IEQ Credit 4.1	Other Adhesives (SCAQMD Rule 1168)	420g/l	0g/l	The product fulfills the requirements for adhesives & sealants.	✓
A8	plastic rail	Vogelsang Engineering	N/A	N/A	N/A	N/A	The product is no adhesive, sealant, paint or coating.	○

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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	Insulation material polystyrene hard foam	BASF, Synbra	0%	0%	Accountable recycled content according to LEED is 0% (1 x Post-Consumer + 0.5 x Pre-Consumer).	0%
A2	Reinforcing steel BSt 500 S	BSW	70%	23%	Accountable recycled content is 81.5% (1 x Post-Consumer + 0.5 x Pre-Consumer).	82%
A3	Stainless steel BSt 500 NR	Ugitec	94%	0%	Accountable recycled content is 94% (1 x Post-Consumer + 0.5 x Pre-Consumer).	94%
A4	Pressure bearings HTE-module (fine concrete)	Schöck Bauteile GmbH	0%	0%	Accountable recycled content is 0% (1 x Post-Consumer + 0.5 x Pre-Consumer).	0%
A5	HTE-module plastic coating	Chemopetrol	0%	0%	Accountable recycled content is 0% (1 x Post-Consumer + 0.5 x Pre-Consumer).	0%
A6	cement-bound fire safety boards	Fermacell	0%	0%	Accountable recycled content is 0% (1 x Post-Consumer + 0.5 x Pre-Consumer).	0%
A7	Hotmelt adhesive Dorus MS 294	Henkel	0%	0%	Accountable recycled content is 0% (1 x Post-Consumer + 0.5 x Pre-Consumer).	0%
A8	plastic rail	Vogelsang Engineering	70%	0%	Accountable recycled content is 70% (1 x Post-Consumer + 0.5 x Pre-Consumer).	70%

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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	Insulation material polystyrene hard foam	BASF, Synbra	Not specified	Not specified
A2	Reinforcing steel BSt 500 S	BSW	Origin of recycled materials: 50% from Germany; 45% from bordering countries; 5% from other european countries	Baden-Baden (D)
A3	Stainless steel BSt 500 NR	Ugitec	Not specified	Not specified
A4	Pressure bearings HTE-module (fine concrete)	Schöck Bauteile GmbH	Not specified	Not specified
A5	HTE-module plastic coating	Chemopetrol	Not specified	Not specified
A6	cement-bound fire safety boards	Fermacell	Not specified	Not specified
A7	Hotmelt adhesive Dorus MS 294	Henkel	Not specified	Not specified
A8	plastic rail	Vogelsang Engineering	Not specified	Not specified