

Manufacturer **Schöck Bauteile GmbH**

Product Name **Schöck Isokorb® Typ S22**


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 24.9% 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	25%
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 S is a load bearing thermal insulation element for steel structures. The Isokorb® reduces thermal bridging and avoids the risk of condensation and mould. It accommodates axial forces, as well as shear forces. Moments can be transferred by using a minimum number of 2 modules one upon the other.

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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No	Product Name	Manufacturer	Mass per unit* [%]	VOC in g/l	VOC-Limit in g/l	Flooring Systems	Composite Agrifiber product	Recycled Content		Regional Materials		Rapidly Renewable Material	Certified Wood
								Post-Consumer	Pre-Consumer	Location Harvesting/ Extraction	Location Manufacturing		
A1	Insulation material polystyrene hard foam	BASF, Synbra	0.28	N/A	N/A	N/A	N/A	0%	0%	Not specified	Not specified	N/A	N/A
A2	Threaded fastener S460	Wasi	36.95	N/A	N/A	N/A	N/A	25%**	0%	Not specified	Not specified	N/A	N/A
A3	Rectangular hollow section S355	Schmolz&Bickenbach	8.96	N/A	N/A	N/A	N/A	25%**	0%	Not specified	Not specified	N/A	N/A
A4	Pressure plate S275	Formtechnik	40.31	N/A	N/A	N/A	N/A	25%**	0%	Not specified	Not specified	N/A	N/A
A5	Hotmelt adhesive Dorus MS 294	Henkel	0.00	0	420	N/A	N/A	0%	0%	Not specified	Not specified	N/A	N/A
A6	Nut	Wasi	11.20	N/A	N/A	N/A	N/A	25%**	0%	Not specified	Not specified	N/A	N/A
A7	Washer	Wasi	2.24	N/A	N/A	N/A	N/A	25%**	0%	Not specified	Not specified	N/A	N/A
A8	PTFE sliding film	Böhme Kunststofftechnik	0.06	N/A	N/A	N/A	N/A	0%	0%	Not specified	Not specified	N/A	N/A
A9													
A10													
Schöck Isokorb® Typ S22		Schöck Bauteile GmbH	100.0	✓		○	○	24.9%	0.0%	If the location of 'Harvesting & Extraction' and 'Manufacturing' is within a radius of 500 miles of the project the subproduct contributes to the credit.		○	○
									25%				

*All values are based on the unit:1 Element **LEED default recycled content for steel

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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	Threaded fastener S460	Wasi	N/A	N/A	N/A	N/A	The product is no adhesive, sealant, paint or coating.	○
A3	Rectangular hollow section S355	Schmolz&Bickenbach	N/A	N/A	N/A	N/A	The product is no adhesive, sealant, paint or coating.	○
A4	Pressure plate S275	Formtechnik	N/A	N/A	N/A	N/A	The product is no adhesive, sealant, paint or coating.	○
A5	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.	✓
A6	Nut	Wasi	N/A	N/A	N/A	N/A	The product is no adhesive, sealant, paint or coating.	○
A7	Washer	Wasi	N/A	N/A	N/A	N/A	The product is no adhesive, sealant, paint or coating.	○
A8	PTFE sliding film	Böhme Kunststofftechnik	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	Threaded fastener S460	Wasi	25%**	0%	Accountable recycled content is 25% (1 x Post-Consumer + 0.5 x Pre-Consumer). **LEED default recycled content for steel	25%
A3	Rectangular hollow section S355	Schmolz&Bickenbach	25%**	0%	Accountable recycled content is 25% (1 x Post-Consumer + 0.5 x Pre-Consumer). **LEED default recycled content for steel	25%
A4	Pressure plate S275	Formtechnik	25%**	0%	Accountable recycled content is 25% (1 x Post-Consumer + 0.5 x Pre-Consumer). **LEED default recycled content for steel	25%
A5	Hotmelt adhesive Dorus MS 294	Henkel	0%	0%	Accountable recycled content is 0% (1 x Post-Consumer + 0.5 x Pre-Consumer).	0%
A6	Nut	Wasi	25%**	0%	Accountable recycled content is 25% (1 x Post-Consumer + 0.5 x Pre-Consumer). **LEED default recycled content for steel	25%
A7	Washer	Wasi	25%**	0%	Accountable recycled content is 25% (1 x Post-Consumer + 0.5 x Pre-Consumer). **LEED default recycled content for steel	25%
A8	PTFE sliding film	Böhme Kunststofftechnik	0%	0%	Accountable recycled content is 0% (1 x Post-Consumer + 0.5 x Pre-Consumer).	0%

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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	Threaded fastener S460	Wasi	Not specified	Not specified
A3	Rectangular hollow section S355	Schmolz&Bickenbach	Not specified	Not specified
A4	Pressure plate S275	Formtechnik	Not specified	Not specified
A5	Hotmelt adhesive Dorus MS 294	Henkel	Not specified	Not specified
A6	Nut	Wasi	Not specified	Not specified
A7	Washer	Wasi	Not specified	Not specified
A8	PTFE sliding film	Böhme Kunststofftechnik	Not specified	Not specified