

Manufacturer **neuform-Türenwerk Hans Glock**
Product Name **encirclement frame Typ "H22"**


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Product Rating

- The timber product does not contain added urea-formaldehyde resins and contribute to achieve one LEED credit within IEQ Credit 4.4.
- The product contains 19.9% recycled materials and contribute to achieve LEED credits within MR Credit 4.
- The contained timber products are available as up to 100% FSC certified and thus contribute to achieve a LEED credit within MR Credit 7.

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






Surrounding Objektzarge H 22. The Holzumfassungszarge is one of the most diverse and demanding Zargenlösungen to close just before the opening of an object reference of a finished wall. It is available in all standard wall thicknesses up to 450 mm. With a special design for Dehnfugenzarge wall thicknesses are available up to 700 mm. For the best possible fit, and small joints, it makes sense to assemble before rendering a plaster board Perpendicular as possible through the 2-piece construction is not a compensation wall. In the throat opening statement to the finished wall thickness of 5 mm to be added to compensate for construction tolerances. In general, the Holzumfassungszarge for all wall types is appropriate.

Urea-formaldehyde free products and FSC certified products must be requested separately.

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 4.4: Low Emitting Materials: Composite Wood and Agrifiber Products (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 composite wood and agrifiber products.

Requirement

Composite wood and agrifiber products used on the interior of the building (i.e., inside the weatherproofing system) must contain no added urea-formaldehyde resins. Laminating adhesives used to fabricate on-site and shop-applied composite wood and agrifiber assemblies must not contain added urea-formaldehyde resins.

Detailed Rating

No	Product Name	Manufacturer	Wooden Material or wood-adhesive	Wooden product free of added Urea-Formaldehyde*	Contribution of Product	
A1	Extruded and laminated particle board	neuform-Türenwerk Hans Glock	Yes	Yes	The product does not contain added urea-formaldehyde resins.	✓
A2	PVAC adhesive / PUR glue	neuform-Türenwerk Hans Glock	Yes	Yes	The product does not contain added urea-formaldehyde resins.	✓
A3	Fibreboard	neuform-Türenwerk Hans Glock	Yes	Yes	The product does not contain added urea-formaldehyde resins.	✓
A4	Veneer / decor (HPL and CPL) / priming (paper)	neuform-Türenwerk Hans Glock	Yes	Yes	The product does not contain added urea-formaldehyde resins.	✓
A5	Lacquer (UV lacquer)	neuform-Türenwerk Hans Glock	No	N/A	The product is not made from wood.	○
A6	Sealant APTK	neuform-Türenwerk Hans Glock	No	N/A	The product is not made from wood.	○

* Considered is the urea-formaldehyde added during the production process. Naturally urea-formaldehyde might be contained in all wooden materials. Urea-formaldehyde free wood products are available only on request. This is to be agreed separately.

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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	Extruded and laminated particle board	neuform-Türenwerk Hans Glock	0%	100%	Accountable recycled content according to LEED is 50% (1 x Post-Consumer + 0.5 x Pre-Consumer).	50%
A2	PVAC adhesive / PUR glue	neuform-Türenwerk Hans Glock	0%	0%	Accountable recycled content is 0% (1 x Post-Consumer + 0.5 x Pre-Consumer).	0%
A3	Fibreboard	neuform-Türenwerk Hans Glock	0%	0%	Accountable recycled content is 0% (1 x Post-Consumer + 0.5 x Pre-Consumer).	0%
A4	Veneer / decor (HPL and CPL) / priming (paper)	neuform-Türenwerk Hans Glock	0%	0%	Accountable recycled content is 0% (1 x Post-Consumer + 0.5 x Pre-Consumer).	0%
A5	Lacquer (UV lacquer)	neuform-Türenwerk Hans Glock	0%	0%	Accountable recycled content is 0% (1 x Post-Consumer + 0.5 x Pre-Consumer).	0%
A6	Sealant APTK	neuform-Türenwerk Hans Glock	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	Extruded and laminated particle board	neuform-Türenwerk Hans Glock	Germany, Austria, Switzerland	Germany
A2	PVAC adhesive / PUR glue	neuform-Türenwerk Hans Glock	Worldwide	Germany
A3	Fibreboard	neuform-Türenwerk Hans Glock	Poland	Poland
A4	Veneer / decor (HPL and CPL) / priming (paper)	neuform-Türenwerk Hans Glock	Worldwide	Germany
A5	Lacquer (UV lacquer)	neuform-Türenwerk Hans Glock	Germany, England, France	Germany
A6	Sealant APTK	neuform-Türenwerk Hans Glock	Germany, Dänemark, Turkey	Germany (Hamburg)

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MR Credit 7: Certified Wood (1 Points)

Intent

To encourage environmentally responsible forest management.

Requirement

Use a minimum of 50% (based on cost) of wood-based materials and products that are certified in accordance with the Forest Stewardship Council's principles and criteria, for wood building components. These components include at a minimum, structural framing and general dimensional framing, flooring, sub-flooring, wood doors and finishes.

Detailed Rating

No	Product Name	Manufacturer	Wooden Material	FSC certified	Contribution of Product	
A1	Extruded and laminated particle board	neuform-Türenwerk Hans Glock	Yes	100%	*On demand* the product is available with up to 100% FSC certified wood.	100%
A2	PVAC adhesive / PUR glue	neuform-Türenwerk Hans Glock	Yes	100%	*On demand* the product is available with up to 100% FSC certified wood.	100%
A3	Fibreboard	neuform-Türenwerk Hans Glock	No	N/A	The product is not made from wood.	○
A4	Veneer / decor (HPL and CPL) / priming (paper)	neuform-Türenwerk Hans Glock	Yes	100%	*On demand* the product is available with up to 100% FSC certified wood.	100%
A5	Lacquer (UV lacquer)	neuform-Türenwerk Hans Glock	No	N/A	The product is not made from wood.	○
A6	Sealant APTK	neuform-Türenwerk Hans Glock	No	N/A	The product is not made from wood.	○