





**Manufacturer**    **neuform-Türenwerk Hans Glock**
**Product Name**    **object-door Typ "X"**


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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 38.9% 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: <b>Adhesives and Sealants</b>	1 Point	
IEQ Credit 4.2: Low Emitting Materials: <b>Paints and Coatings</b>	1 Point	
IEQ Credit 4.3: Low Emitting Materials: <b>Flooring Systems</b>	1 Point	
IEQ Credit 4.4: Low Emitting Materials: <b>Composite Wood and Agrifiber Products</b>	1 Point	

**Materials and Resources (MR) - LEED Category**

MR Credit 4: <b>Recycled Content</b>	1-2 Points	<b>39%</b>
MR Credit 5: <b>Regional Materials</b>	1-2 Points	<a href="#">See Location</a>
MR Credit 6: <b>Rapidly Renewable Materials</b>	1 Point	
MR Credit 7: <b>Certified Wood</b>	1 Point	<b>100%</b>

**Product Characteristics**






Object SSK door 1 40mm solid core door. The Type X is the solution for apartment entrance doors and doors for the school and kindergarten, hotel rooms, hospitals, etc. The solid chipboard door leaf can either be done with glass cut or fill. With its 5-fold structure with a central layer of chipboard, it offers a sound insulation test value (Rw) of 27 dB and thus corresponds to the sound class I according to VDI. From the use class "S" wlv.auch "E" meets the X-type, the mechanical requirements for heavy and extreme stress, defined according to the grade. With a door thickness of about 41 mm is recommended neuformtür a max. "RBM" up to a height of about 2255 mm and a width of up to approximately 1260 mm. Larger sizes are possible depending on the requirements of the door leaf perfectly. If necessary, these can be requested.

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

**About LEED & Products - [www.usgbc.org](http://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](http://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	Harvesting/ Extraction	Location Manufacturing			
A1	Fiberboard (MDF)	neuform-Türenwerk Hans Glock	~ 7%	N/A	N/A	N/A	No added urea-formaldehyd	0%	100%	Austria, Romania, Czech Republic, Slovenia, Germany, France	Austria, Germany, France	N/A	100%	
A2	Extruded and laminated particle board	neuform-Türenwerk Hans Glock	~ 70.9%	N/A	N/A	N/A	No added urea-formaldehyd	0%	100%	Germany, Austria, Switzerland	Germany	N/A	100%	
A3	PVAC adhesive / PUR glue	neuform-Türenwerk Hans Glock	~ 4.2%	N/A	N/A	N/A	No added urea-formaldehyd	0%	0%	Worldwide	Germany	N/A	N/A	
A4	Veneer / decor (HPL and CPL) / priming (paper)	neuform-Türenwerk Hans Glock	~ 5.8%	N/A	N/A	N/A	No added urea-formaldehyd	0%	0%	Worldwide	Germany	N/A	100%	
A5	Lacquer (water-based paint) / (UV lacquer)	neuform-Türenwerk Hans Glock	~ 5.3%	N/A	N/A	N/A	N/A	0%	0%	Germany, England, France	Germany	N/A	N/A	
A6	Concealed edge	neuform-Türenwerk Hans Glock	~ 2.6%	N/A	N/A	N/A	No added urea-formaldehyd	0%	0%	Worldwide	Germany	N/A	100%	
A7	alternative: PU edge	neuform-Türenwerk Hans Glock	~ 4.1%	N/A	N/A	N/A	N/A	0%	0%	Worldwide	Germany	N/A	N/A	
A8														
A9														
A10														
								0.0%	77.9%	If the location of 'Harvesting & Extraction' and 'Manufacturing' is within a radius of 500 miles of the project the subproduct contributes to the credit.		○	100%	
<b>Objektür TYP "X"</b>								<b>38.9%</b>						
								✓						
								○						
								○						
								100.0						
								neuform-Türenwerk Hans Glock						

\*All values are based on the unit: Door 1 m x 2 m \*\*LEED default recycled content for steel

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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	Fiberboard (MDF)	neuform-Türenwerk Hans Glock	Yes	Yes	The product does not contain added urea-formaldehyde resins.	✓
A2	Extruded and laminated particle board	neuform-Türenwerk Hans Glock	Yes	Yes	The product does not contain added urea-formaldehyde resins.	✓
A3	PVAC adhesive / PUR glue	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 (water-based paint) / (UV lacquer)	neuform-Türenwerk Hans Glock	No	N/A	The product is not made from wood.	○
A6	Concealed edge	neuform-Türenwerk Hans Glock	Yes	Yes	The product does not contain added urea-formaldehyde resins.	✓
A7	alternative: PU edge	neuform-Türenwerk Hans Glock	No	N/A	The product does not contain added urea-formaldehyde resins.	○

\* 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	Fiberboard (MDF)	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	Extruded and laminated particle board	neuform-Türenwerk Hans Glock	0%	100%	Accountable recycled content is 50% (1 x Post-Consumer + 0.5 x Pre-Consumer).	50%
A3	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%
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 (water-based paint) / (UV lacquer)	neuform-Türenwerk Hans Glock	0%	0%	Accountable recycled content is 0% (1 x Post-Consumer + 0.5 x Pre-Consumer).	0%
A6	Concealed edge	neuform-Türenwerk Hans Glock	0%	0%	Accountable recycled content is 0% (1 x Post-Consumer + 0.5 x Pre-Consumer).	0%
A7	alternative: PU edge	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	Fiberboard (MDF)	neuform-Türenwerk Hans Glock	Austria, Romania, Czech Republic, Slovenia, Germany, France	Austria, Germany, France
A2	Extruded and laminated particle board	neuform-Türenwerk Hans Glock	Germany, Austria, Switzerland	Germany
A3	PVAC adhesive / PUR glue	neuform-Türenwerk Hans Glock	Worldwide	Germany
A4	Veneer / decor (HPL and CPL) / priming (paper)	neuform-Türenwerk Hans Glock	Worldwide	Germany
A5	Lacquer (water-based paint) / (UV lacquer)	neuform-Türenwerk Hans Glock	Germany, England, France	Germany
A6	Concealed edge	neuform-Türenwerk Hans Glock	Worldwide	Germany
A7	alternative: PU edge	neuform-Türenwerk Hans Glock	Worldwide	Germany

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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	Fiberboard (MDF)	neuform-Türenwerk Hans Glock	Yes	100%	*On demand* the product is available with up to 100% FSC certified wood.	100%
A2	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%
A3	PVAC adhesive / PUR glue	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 (water-based paint) / (UV lacquer)	neuform-Türenwerk Hans Glock	No	N/A	The product is not made from wood.	○
A6	Concealed edge	neuform-Türenwerk Hans Glock	Yes	100%	*On demand* the product is available with up to 100% FSC certified wood.	100%
A7	alternative: PU edge	neuform-Türenwerk Hans Glock	No	N/A	The product is not made from wood.	○