

**Manufacturer**      **GU Automatic GmbH**

**Product Name**    **Sliding door EconoMaster EM / EM-F / GS-100**



### Product Rating

- The product fulfills the requirements for paints and coatings and contribute to achieve one LEED credit within IEQ Credit 4.2.
- The product contains 17.5% 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: <b>Adhesives and Sealants</b>	1 Point	<input type="radio"/>
IEQ Credit 4.2: Low Emitting Materials: <b>Paints and Coatings</b>	1 Point	<input checked="" type="checkbox"/>
IEQ Credit 4.3: Low Emitting Materials: <b>Flooring Systems</b>	1 Point	<input type="radio"/>
IEQ Credit 4.4: Low Emitting Materials: <b>Composite Wood and Agrifiber Products</b>	1 Point	<input type="radio"/>

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

MR Credit 4: <b>Recycled Content</b>	1-2 Points	17%
MR Credit 5: <b>Regional Materials</b>	1-2 Points	See Location
MR Credit 6: <b>Rapidly Renewable Materials</b>	1 Point	<input type="radio"/>
MR Credit 7: <b>Certified Wood</b>	1 Point	<input type="radio"/>

### Product Characteristics

Automatic sliding door with wide range of applications, designed in compliance with the current directives, type-tested by TÜV according to DIN 18650 and EN 16005, F-version for escape and rescue routes is additionally tested in accordance to directives AutSchR. Height of drive 130 mm, depth 202 mm, for weights up to 130 kg per leaf. Low-noise carriage with 2 rolls and 1 counter wheel each. Self-learning control system performance level D, closing forces according to current regulations. Sliding leaves with slim frame and insulated glazing.

Electronic components are not part of this appraisal.

\* Motors and electronics are not part of the assessment.

### 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**

**Manufacturer** GU Automatic GmbH

**Product Name** Sliding door EconoMaster EM / EM-F / GS-100

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	aluminium	GU Automatic GmbH	~ 21.8%	N/A	N/A	N/A	N/A	0%	53%	Not specified	Not specified	N/A	N/A
A2	steel/ stainless steel	GU Automatic GmbH	~ 2.7%	N/A	N/A	N/A	N/A	25%**	0%	Not specified	Not specified	N/A	N/A
A3	zinc die-cast	GU Automatic GmbH	~ 0.3%	N/A	N/A	N/A	N/A	0%	0%	Not specified	Not specified	N/A	N/A
A4	plastics/ rubber/ neoprene	GU Automatic GmbH	~ 3.3%	N/A	N/A	N/A	N/A	0%	0%	Not specified	Not specified	N/A	N/A
A5	glass	GU Automatic GmbH	~ 70.7%	N/A	N/A	N/A	N/A	8%	15%	Not specified	Not specified	N/A	N/A
A6	copper	GU Automatic GmbH	~ 0.4%	N/A	N/A	N/A	N/A	0%	0%	Not specified	Not specified	N/A	N/A
A7	powder coat	GU Automatic GmbH	~ 0.7%	0	50	N/A	N/A	0%	0%	Not specified	Not specified	N/A	N/A
A8													
A9													
A10													
Schiebetüranlage EconoMaster EM / EM-F / GS-100		GU Automatic GmbH	100.0	✓		○	○	6.3%	22.3%	If the location of 'Harvesting & Extraction' and 'Manufacturing' is within a radius of 500 miles of the project the subproduct contributes to the credit.		○	○
								17.5%					

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

<b>Manufacturer</b>	<b>GU Automatic GmbH</b>
<b>Product Name</b>	<b>Sliding door EconoMaster EM / EM-F / GS-100</b>


**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	aluminium	GU Automatic GmbH	N/A	N/A	N/A	N/A	The product is no adhesive, sealant, paint or coating.	<input type="radio"/>
A2	steel/ stainless steel	GU Automatic GmbH	N/A	N/A	N/A	N/A	The product is no adhesive, sealant, paint or coating.	<input type="radio"/>
A3	zinc die-cast	GU Automatic GmbH	N/A	N/A	N/A	N/A	The product is no adhesive, sealant, paint or coating.	<input type="radio"/>
A4	plastics/ rubber/ neoprene	GU Automatic GmbH	N/A	N/A	N/A	N/A	The product is no adhesive, sealant, paint or coating.	<input type="radio"/>
A5	glass	GU Automatic GmbH	N/A	N/A	N/A	N/A	The product is no adhesive, sealant, paint or coating.	<input type="radio"/>
A6	copper	GU Automatic GmbH	N/A	N/A	N/A	N/A	The product is no adhesive, sealant, paint or coating.	<input type="radio"/>
A7	powder coat	GU Automatic GmbH	IEQ Credit 4.2	Flats (SCAQMD Rule 1113)	50g/l	0g/l	The product fulfills the requirements for paints & coatings.	<input checked="" type="checkbox"/>

**Manufacturer**      **GU Automatic GmbH**
**Product Name**      **Sliding door EconoMaster EM / EM-F / GS-100**

**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	aluminium	GU Automatic GmbH	0%	53%	Accountable recycled content according to LEED is 26.65% (1 x Post-Consumer + 0.5 x Pre-Consumer).	27%
A2	steel/ stainless steel	GU Automatic GmbH	25%**	0%	Accountable recycled content is 25% (1 x Post-Consumer + 0.5 x Pre-Consumer). **LEED default recycled content for steel	25%
A3	zinc die-cast	GU Automatic GmbH	0%	0%	Accountable recycled content is 0% (1 x Post-Consumer + 0.5 x Pre-Consumer).	0%
A4	plastics/ rubber/ neoprene	GU Automatic GmbH	0%	0%	Accountable recycled content is 0% (1 x Post-Consumer + 0.5 x Pre-Consumer).	0%
A5	glass	GU Automatic GmbH	8%	15%	Accountable recycled content is 15.5% (1 x Post-Consumer + 0.5 x Pre-Consumer).	16%
A6	copper	GU Automatic GmbH	0%	0%	Accountable recycled content is 0% (1 x Post-Consumer + 0.5 x Pre-Consumer).	0%
A7	powder coat	GU Automatic GmbH	0%	0%	Accountable recycled content is 0% (1 x Post-Consumer + 0.5 x Pre-Consumer).	0%

**Manufacturer**      **GU Automatic GmbH**
**Product Name**      **Sliding door EconoMaster EM / EM-F / GS-100**

**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	aluminium	GU Automatic GmbH	Not specified	Not specified
A2	steel/ stainless steel	GU Automatic GmbH	Not specified	Not specified
A3	zinc die-cast	GU Automatic GmbH	Not specified	Not specified
A4	plastics/ rubber/ neoprene	GU Automatic GmbH	Not specified	Not specified
A5	glass	GU Automatic GmbH	Not specified	Not specified
A6	copper	GU Automatic GmbH	Not specified	Not specified
A7	powder coat	GU Automatic GmbH	Not specified	Not specified