

Manufacturer **GEZE GmbH**

Product Name **Door Closer Boxer 2-4**



Product Rating

- The product contains 11.6% 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 type="radio"/> |
| IEQ Credit 4.2: Low Emitting Materials: Paints and Coatings | 1 Point | <input type="radio"/> |
| IEQ Credit 4.3: Low Emitting Materials: Flooring Systems | 1 Point | <input type="radio"/> |
| IEQ Credit 4.4: Low Emitting Materials: Composite Wood and Agrifiber Products | 1 Point | <input type="radio"/> |

Materials and Resources (MR) - LEED Category

| | | |
|---|------------|-----------------------|
| MR Credit 4: Recycled Content | 1-2 Points | 12% |
| MR Credit 5: Regional Materials | 1-2 Points | See Location |
| MR Credit 6: Rapidly Renewable Materials | 1 Point | <input type="radio"/> |
| MR Credit 7: Certified Wood | 1 Point | <input type="radio"/> |

Product Characteristics

Integrated door closer range for single and double-leaf doors. The Boxer 2-4 is applicable for leaf widths up to 1.100 mm. The integrated door closer range Boxer with high quality aluminum housings is suitable for DIN right and DIN left doors without conversion. The guide rail is only visible when the door is open. Even installed, the infinitely adjustable closing force, closing speed, latching action and hydraulic back check can be adjusted on the door closers. Additionally the closing sequence control on the double-leaf guide rails is extremely resistant to vandalism, i.e. the system will not suffer damage even if the active leaf is consciously pushed to close from the waiting position. An additional door suitability certificate is required for fireproof doors.

* Motor and electronics is not part of the assessment.

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**

Manufacturer **GEZE GmbH**Product Name **Door Closer Boxer 2-4**

| 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 | steel galvanized | GEZE GmbH | ~ 5.9% | N/A | N/A | N/A | N/A | 25%** | 0% | Not specified | Not specified | N/A | N/A |
| A2 | aluminium | GEZE GmbH | ~ 33.8% | N/A | N/A | N/A | N/A | Not specified | Not specified | Not specified | Not specified | N/A | N/A |
| A3 | copper | GEZE GmbH | ~ 14.2% | N/A | N/A | N/A | N/A | Not specified | Not specified | Not specified | Not specified | N/A | N/A |
| A4 | steel | GEZE GmbH | ~ 40.5% | N/A | N/A | N/A | N/A | 25%** | 0% | Not specified | Not specified | N/A | N/A |
| A5 | plastics | GEZE GmbH | ~ 0.5% | N/A | N/A | N/A | N/A | Not specified | Not specified | Not specified | Not specified | N/A | N/A |
| A6 | zinc die-cast | GEZE GmbH | ~ 5% | N/A | N/A | N/A | N/A | Not specified | Not specified | 0 | Not specified | N/A | N/A |
| A7 | | | | | | | | | | | | | |
| A8 | | | | | | | | | | | | | |
| A9 | | | | | | | | | | | | | |
| A10 | | | | | | | | | | | | | |
| Türschließer Boxer 2-4 | | GEZE GmbH | 100.0 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | 11.6% | — | If the location of 'Harvesting & Extraction' and 'Manufacturing' is within a radius of 500 miles of the project the subproduct contributes to the credit. | | <input type="radio"/> | <input type="radio"/> |

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

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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 | steel galvanized | GEZE GmbH | 25%** | 0% | Accountable recycled content according to LEED is 25% (1 x Post-Consumer + 0.5 x Pre-Consumer). **LEED default recycled content for steel | 25% |
| A2 | aluminium | GEZE GmbH | Not specified | Not specified | No recycled content specified. | — |
| A3 | copper | GEZE GmbH | Not specified | Not specified | No recycled content specified. | — |
| A4 | steel | GEZE GmbH | 25%** | 0% | Accountable recycled content is 25% (1 x Post-Consumer + 0.5 x Pre-Consumer). **LEED default recycled content for steel | 25% |
| A5 | plastics | GEZE GmbH | Not specified | Not specified | No recycled content specified. | — |
| A6 | zinc die-cast | GEZE GmbH | Not specified | Not specified | No recycled content specified. | — |

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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 | steel galvanized | GEZE GmbH | Not specified | Not specified |
| A2 | aluminium | GEZE GmbH | Not specified | Not specified |
| A3 | copper | GEZE GmbH | Not specified | Not specified |
| A4 | steel | GEZE GmbH | Not specified | Not specified |
| A5 | plastics | GEZE GmbH | Not specified | Not specified |
| A6 | zinc die-cast | GEZE GmbH | 0 | Not specified |