

# Product Verification

## Sustainability

Self declared according to DGNB Neubau 2018

### ■ Product Systems

#### Automatic linear sliding door families

##### GEZE GmbH

You want to save space, but not at the cost of a comfortable atmosphere. You want to offer barrier-free access to all users, but not at the cost of a lack of safety. We have the ideal solution ready for you with our automatic sliding doors. Be it for office buildings, airports, hotels or schools. And you can rest assured where safety is concerned: All GEZE automatic door systems and safety sensors meet the European EN 16005 standard.

The GEZE product portfolio Automatic Sliding Doors comprises of 3 product lines and their variants:

- ECdrive T2
- Slimdrive SL NT
- Powerdrive PL

##### PRODUCT FEATURES

- The variants in the Slimdrive drive series with an overall height of only 7 centimetres blend perfectly into any building's architecture and offer a wide range of application possibilities
- The ECdrive T2 drives are economical and extremely reliable in their functionality
- The products from the Powerdrive series are real power packs and capable of moving heavy doors conveniently and safely

##### ASSESSMENT\*

The assessment is conducted with the following representative configuration:

- ECdrive T2 - bi-parting
- Opening width = 2000 mm
- Opening height = 2200 mm

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



## Product Assessment

### Environmental Quality (ENV)

#### Criteria

#### Product Verification

ENV 1.1 Building life cycle assessment (Updated on: 16.07.2018)	EPD available: No
ENV 1.2 Local environmental impact (Updated on: 05.01.2022)	Quality level 2 of 4
ENV1.3.1 Responsibly sourced raw materials	N/A

Legend: yes = Product contributes toward satisfying the credit, N/A = Product not relevant in the credit, no = Credit requirements are not proven

## Summary

### The product contributes to the certification:

- The product has an Environmental Product Declaration (EPD) which can be used to calculate the building life cycle assessment: EPD available: No
- Achieved quality level in DGNB 2018 Criteria ENV 1.2 Local environmental impact for the entire product: Quality level 2 of 4

## Product Properties

### Manufacturer:

Environmental Management System according ISO 14001: Yes

Are reverse logistics in place for the product? No

### Ingredients:

## Product Components

Name	Amount	Material type		Total Weight	Specific Weight	Portion (%)
		/ Function	DfD			
Steel galvanized - sliding doors	2.400		N/A	2.400	1 kg / kg	8.08 %
Plastics - sliding doors	0.830		N/A	0.830	1 kg / kg	2.79 %
copper - sliding doors	1.070		N/A	1.070	1 kg / kg	3.60 %
aluminium - sliding doors	24.590		N/A	24.590	1 kg / kg	82.74 %

Zinc die-cast - sliding doors	0.550		N/A	0.550	1 kg / kg	1.85 %
Powder-coating	0.280		N/A	0.280	1 kg / kg	0.94 %

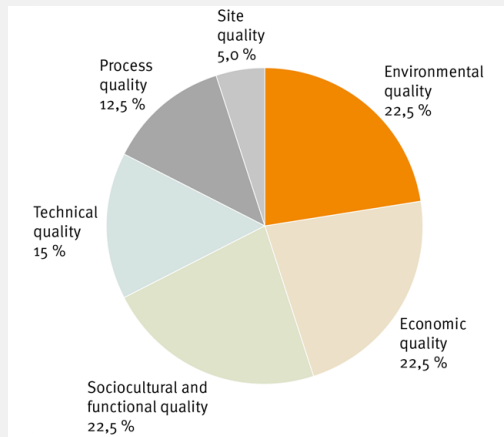
## System description

The DGNB certification system was founded by the "German Sustainable Building Council" and first appeared on the market in 2008. The DGNB system evaluates buildings holistically on the basis of individual criteria within the categories Ecological Quality, Economic Quality, Sociocultural and Functional Quality, Technical Quality, Process Quality and Location Quality. Different profiles allow the certification of new buildings and existing buildings, as well as of quarters in Germany and Internationally. Buildings can achieve a certification in Bronze, Silver, Gold and Platinum. Up to now, more than 3,500 projects have been awarded by the DGNB (as of June 2018).

Source: [www.dgnb.de](http://www.dgnb.de)

## System categories

### Category Weighting



Source: DGNB 2018

### Category

### Category considered in product verification

Environmental quality (ENV)	Yes
Economic quality (ECO)	No
Sociocultural and functional quality (SOC)	No
Technical quality (TEC)	No
Process quality (PRO)	Yes
Site quality (SITE)	No

# Detailed Verification

Self declared according to DGNB Neubau 2018

## ■ Environmental Quality (ENV)

### ■ ENV 1.1 Building life cycle assessment (Updated on: 16.07.2018)

The product has an Environmental Product Declaration (EPD) which can be used to calculate the building life cycle assessment:

Automatic linear sliding door families	EPD available: No
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An environmental product declaration exists for the product:

Automatic linear sliding door families	No
Steel galvanized - sliding doors	No
Plastics - sliding doors	No
aluminium - sliding doors	No
copper - sliding doors	No
Zinc die-cast - sliding doors	No
Powder-coating	No

### ■ ENV 1.2 Local environmental impact (Updated on: 05.01.2022)

Achieved quality level in DGNB 2018 Criteria ENV 1.2 Local environmental impact for the entire product:

Automatic linear sliding door families	Quality level 2 of 4
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Achieved quality level in DGNB 2018 Criterion ENV 1.2 Local environmental impact:

Automatic linear sliding door families	Quality level 4
Steel galvanized - sliding doors	Quality level 4
Plastics - sliding doors	Quality level 4
aluminium - sliding doors	Quality level 2
copper - sliding doors	Quality level 4
Zinc die-cast - sliding doors	Quality level 4
Powder-coating	Quality level 4

Row 32: All aluminum and stainless steel components of the shell with a total area of > 5m<sup>2</sup>. Not considered are sun shade slats, shutter boxes, stainless steel railings. - Products for passivation of aluminium and stainless steel are what is meant here.

Achieved quality level in DGNB 2018 ENV 1.2 Row 32 for the entire product:

Automatic linear sliding door families	Quality level 2
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Achieved quality level in DGNB 2018 ENV 1.2 Row 32:

Automatic linear sliding door families	No Information
Steel galvanized - sliding doors	No Information
Plastics - sliding doors	No Information
aluminium - sliding doors	Quality level 2
copper - sliding doors	No Information
Zinc die-cast - sliding doors	No Information
Powder-coating	No Information

Passivating agents - on aluminium and stainless steel components of the facade and roof (DGNB ENV1.2 Row 32):

Automatic linear sliding door families	No
Steel galvanized - sliding doors	No
Plastics - sliding doors	No
aluminium - sliding doors	Yes
copper - sliding doors	No
Zinc die-cast - sliding doors	No
Powder-coating	No

**Row 33: Coated metal components: Façade elements, doors, radiators, heating/cooling ceilings. Hot dip galvanised materials are not regarded as coatings in the sense of this criterion. - Priming and final coating (e.g. paints, lacquers, powder coatings) are what is meant here.**

Achieved quality level in DGNB 2018 ENV 1.2 Row 33 for the entire product:

Automatic linear sliding door families	Quality level 4
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Achieved quality level in DGNB 2018 ENV 1.2 Row 33:

Automatic linear sliding door families	No Information
Steel galvanized - sliding doors	No Information
Plastics - sliding doors	No Information
aluminium - sliding doors	No Information
copper - sliding doors	No Information
Zinc die-cast - sliding doors	No Information
Powder-coating	Quality level 4

**Coatings - factory coated metal components (DGNB ENV1.2 Row 33):**

<b>Automatic linear sliding door families</b>	No
Steel galvanized - sliding doors	No
Plastics - sliding doors	No
aluminium - sliding doors	No
copper - sliding doors	No
Zinc die-cast - sliding doors	No
Powder-coating	Yes

**Free of lead:**

<b>Automatic linear sliding door families</b>	No Information
Steel galvanized - sliding doors	No Information
Plastics - sliding doors	No Information
aluminium - sliding doors	No Information
copper - sliding doors	No Information
Zinc die-cast - sliding doors	No Information
Powder-coating	Yes

**Free of cadmium:**

<b>Automatic linear sliding door families</b>	No Information
Steel galvanized - sliding doors	No Information
Plastics - sliding doors	No Information
aluminium - sliding doors	No Information
copper - sliding doors	No Information
Zinc die-cast - sliding doors	No Information
Powder-coating	Yes

**Free of chromium-VI compounds:**

<b>Automatic linear sliding door families</b>	No Information
Steel galvanized - sliding doors	No Information
Plastics - sliding doors	No Information
aluminium - sliding doors	No Information
copper - sliding doors	No Information
Zinc die-cast - sliding doors	No Information
Powder-coating	Yes

**Row 35: Plastics for covering surfaces (floor and wall) and components on the façade - Elastic floor coverings are taken into consideration (PVC, rubber etc.), wall coverings, Skylights, plastic windows, soundproofing inserts.**

**Achieved quality level in DGNB 2018 ENV 1.2 Row 35 for the entire product:**

<b>Automatic linear sliding door families</b>	<b>Quality level 4</b>
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**Achieved quality level in DGNB 2018 ENV 1.2 Row 35:**

<b>Automatic linear sliding door families</b>	No Information
Steel galvanized - sliding doors	No Information
Plastics - sliding doors	Quality level 4
aluminium - sliding doors	No Information
copper - sliding doors	No Information
Zinc die-cast - sliding doors	No Information
Powder-coating	No Information

**Plastics - floor and wall coverings, as well as windows and sound insulation inserts (DGNB ENV1.2 Row 35):**

<b>Automatic linear sliding door families</b>	No
Steel galvanized - sliding doors	No
Plastics - sliding doors	Yes
aluminium - sliding doors	No
copper - sliding doors	No
Zinc die-cast - sliding doors	No
Powder-coating	No



**Free of lead, cadmium and chrome-VI:**

<b>Automatic linear sliding door families</b>	No Information
Steel galvanized - sliding doors	No Information
Plastics - sliding doors	Yes
aluminium - sliding doors	No Information
copper - sliding doors	No Information
Zinc die-cast - sliding doors	No Information
Powder-coating	Yes

**Free of tin:**

<b>Automatic linear sliding door families</b>	No Information
Steel galvanized - sliding doors	No Information
Plastics - sliding doors	Yes
aluminium - sliding doors	No Information
copper - sliding doors	No Information
Zinc die-cast - sliding doors	No Information
Powder-coating	No Information

**Row 44: PVC Plastics - Wall coverings, windows, electrical cables, cable sheathing**
**Achieved quality level in DGNB 2018 ENV 1.2 Row 44 for the entire product:**

<b>Automatic linear sliding door families</b>	Quality level 4
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**Achieved quality level in DGNB 2018 ENV 1.2 Row 44:**

<b>Automatic linear sliding door families</b>	No Information
Steel galvanized - sliding doors	No Information
Plastics - sliding doors	Quality level 4
aluminium - sliding doors	No Information
copper - sliding doors	No Information
Zinc die-cast - sliding doors	No Information
Powder-coating	No Information

**PVC Plastics - Wall coverings, windows, electrical cables, cable sheathing (DGNB ENV1.2 Row 44):**

<b>Automatic linear sliding door families</b>	No
Steel galvanized - sliding doors	No
Plastics - sliding doors	Yes
aluminium - sliding doors	No
copper - sliding doors	No
Zinc die-cast - sliding doors	No
Powder-coating	No

**SVHC according REACH < 0,1 %:**

<b>Automatic linear sliding door families</b>	No Information
Steel galvanized - sliding doors	No Information
Plastics - sliding doors	Yes
aluminium - sliding doors	No Information
copper - sliding doors	No Information
Zinc die-cast - sliding doors	No Information
Powder-coating	No Information

**The product does not fall under any of the above listed product groups according to DGNB 2018 ENV 1.2**

The entire product does not fall under a DGNB 2018 requirement in ENV 1.2 Local environmental impact. The product helps to achieve the following quality level:

<b>Automatic linear sliding door families</b>	4
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The product does not fall under a DGNB 2018 requirement in ENV 1.2 Local environmental impact. The product helps to achieve the following quality level:

<b>Automatic linear sliding door families</b>	Quality level 4
Steel galvanized - sliding doors	Quality level 4
Plastics - sliding doors	No Information
aluminium - sliding doors	No Information
copper - sliding doors	Quality level 4
Zinc die-cast - sliding doors	Quality level 4
Powder-coating	No Information

The product does not fall under any of the above listed product groups according to DGNB 2018 ENV 1.2 or the relevant product group is evaluated on the components:

<b>Automatic linear sliding door families</b>	Yes
Steel galvanized - sliding doors	Yes
Plastics - sliding doors	No
aluminium - sliding doors	No
copper - sliding doors	Yes
Zinc die-cast - sliding doors	Yes
Powder-coating	No

### ■ ENV1.3.1 Responsibly sourced raw materials

The product achieves the following quality level in criterion ENV1.3.1 (Responsibly sourced raw materials).

<b>Automatic linear sliding door families</b>	N/A
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The product meets the requirements of quality level 1:

<b>Automatic linear sliding door families</b>	quality level 0 of 1
Steel galvanized - sliding doors	No Information
Plastics - sliding doors	No Information
aluminium - sliding doors	No Information
copper - sliding doors	No Information
Zinc die-cast - sliding doors	No Information
Powder-coating	No Information

#### ■ Contact Details Manufacturer

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#### ■ Disclaimer

This verification is the evaluation and ranking of products in terms of the certification system DGNB 2018 (New construction building). The DGNB (Deutsche Gesellschaft für Nachhaltiges Bauen) generally does not certify products. Therefore the project team or the manufacturer is responsible to declare compliance with respect to the DGNB criteria. Notice: This verification is generated by the Assessment Service of BMS. The distribution or publication by third parties is not permitted. The data sheet is not a DGNB certification document. The information is based on the manufacturer's specifications. Despite a diligent treatment of all information BMS can not make any warranties about the completeness, reliability and accuracy of this information. The requirements of DGNB can be interpreted differently and depend on the project and scope of application. Therefore, BMS cannot accept any liability for the evaluation in terms of the DGNB criteria. The user of the data sheet, the user / purchaser of the product and the consultant / planner, who is advising on this product has the duty to check the product for the intended application at their own responsibility. When a new version of this product verification is produced, the previous version loses its validity.