

Product Verification

Sustainability

Self declared according to BREEAM International New Construction 2016

■ Product Systems

F 1200+

GEZE GmbH

The F 1200+ (IQ windowdrive) in an attractive design is used for natural ventilation of inward-opening aluminium tilt and turn windows. In addition, the F 1200+ is the optimal solution for convenient opening and locking of particularly large windows. With the new drive, operating large and heavy tilt and turn windows is even easier, faster and safer.

The F 1200+ has a very powerful motor that can turn and tilt window elements with a sash weight of up to 200 kg - and is exceptionally quiet at the same time. Another highlight is the intuitive operating concept: a proximity sensor activates the control panel as soon as a person approaches.

The capacitive touch buttons and an LED display make operation child's play.

- Opening width: 180 mm
- Opening speed: 11 mm/s
- max. sash width: 3,5 m
- max. sash height: 2,4 m
- max. sash weight: 200 kg

<https://www.geze.de/de/>



Product Assessment

Health and wellbeing

Criteria	Product Verification
Hea 02 Indoor air quality (GN22 V2.0 April 2016)	No
Hea 02 Indoor air quality - Exemplary Level (GN22 V2.0 April 2016)	No

Materials

Criteria	Product Verification
Mat 01 Life cycle impacts	EPD available: Yes
Mat 03 Responsible sourcing of construction products (GN18 V3.1 January 2018)	RSCS level 0

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 contributes toward satisfying Hea 02 Indoor air quality: No
- The product contributes toward satisfying Hea 02 Indoor air quality - Exemplary Level: No
- The product has an Environmental Product Declaration (EPD) which can be used to calculate the building life cycle assessment: EPD available: Yes
- Achieved RSCS summary score level in Mat 03 Responsible sourcing of construction products for the entire product: RSCS level 0

Product Properties

Ingredients:

Manufacturer:

Are reverse logistics in place for the product? No

Environmental Management System according ISO 14001: Yes

Product Components

Name	Amount	Material type / Function	DfD	Total Weight	Specific Weight	Portion (%)
Steel galvanized	28.100		N/A	28.100	1 kg / kg	28.10 %
aluminium	20.600		N/A	20.600	1 kg / kg	20.60 %
copper	3.500		N/A	3.500	1 kg / kg	3.50 %
Stainless steel	2.500		N/A	2.500	1 kg / kg	2.50 %
Zinc die-cast	30.300		N/A	30.300	1 kg / kg	30.30 %
Plastics	5.100		N/A	5.100	1 kg / kg	5.10 %
Lacquer	0.100		N/A	0.100	1 kg / kg	0.10 %
-	0.100		N/A	0.100	1 kg / kg	0.10 %
-	2.200		N/A	2.200	1 kg / kg	2.20 %
-	5.900		N/A	5.900	1 kg / kg	5.90 %
-	0.200		N/A	0.200	1 kg / kg	0.20 %
-	1.000		N/A	1.000	1 kg / kg	1.00 %
-	0.100		N/A	0.100	1 kg / kg	0.10 %
-	0.300		N/A	0.300	1 kg / kg	0.30 %

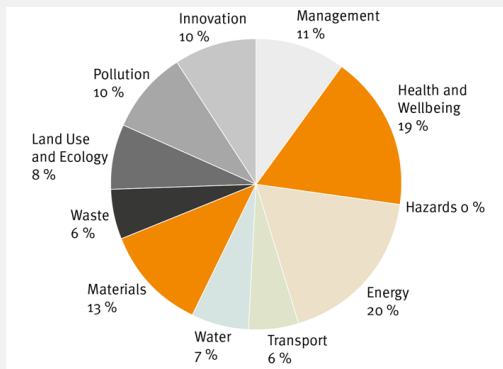
■ System description

The BREEAM (Building Research Establishment Environmental Assessment Method) certification system was published by the Building Research Establishment (BRE). It came on the market in 1990 and was one of the first certification systems for buildings. BREEAM offers different standards, which vary in the requirements, depending on the country, type of use and development phase of the project (new construction, in-use, refurbishment and fit-out, infrastructure and communities). Within ten environmental categories and numerous individual credits, buildings are rated and can be rated as Acceptable (for in-use scheme only), Pass, Good, Very Good, Excellent and Outstanding. Up to now, more than 16,300 BREEAM projects have been certified worldwide (as of April 2018).

Source: www.breeam.com

■ System categories

Category Weighting



Category

Category considered in product verification

Category	Category considered in product verification
Management (Man)	No
Health and wellbeing (Hea)	Yes
Energy (Ene)	No
Transport (Tra)	No
Water (Wat)	No
Materials (Mat)	Yes
Waste (Wst)	No
Land use and ecology (LE)	No
Pollution (Pol)	No
Innovation (Inn)	No

Source: BREEAM International NC 2016 - Non-residential - Fully Fitted (TM 2.0)

Detailed Verification

Self declared according to BREEAM International New Construction 2016

Health and wellbeing

Hea 02 Indoor air quality (GN22 V2.0 April 2016)

The product contributes toward satisfying Hea 02 Indoor air quality:

F 1200+	No
----------------	----

The product contributes toward satisfying Hea 02 Indoor air quality:

F 1200+	No Information
Steel galvanized	Yes
aluminium	Yes
copper	Yes
Stainless steel	Yes
Zinc die-cast	Yes
Plastics	No Information
Lacquer	No
Gummi	Yes
Ferrit-Magnet	Yes
Messing	No Information
PU-Schaum	Yes
Graphit	No Information
Textilfaser	No Information
Mineralfaser	No Information

The product is a ceiling, wall, acoustic or thermal insulation material:

F 1200+	No
Steel galvanized	No
aluminium	No
copper	No
Stainless steel	No
Zinc die-cast	No
Plastics	No
Lacquer	No Information
Gummi	Yes
Ferrit-Magnet	Yes
Messing	No
PU-Schaum	Yes
Graphit	No
Textilfaser	No
Mineralfaser	No

Interior paints and coatings

The entire product complies with Hea 02 Indoor air quality for interior paints and coatings:

F 1200+	No
---------	----

The product complies with Hea 02 Indoor air quality for interior paints and coatings:

F 1200+	No Information
Steel galvanized	No Information
aluminium	No Information
copper	No Information
Stainless steel	No Information
Zinc die-cast	No Information
Plastics	No Information
Lacquer	No
Gummi	No Information
Ferrit-Magnet	No Information
Messing	No Information
PU-Schaum	No Information
Graphit	No Information
Textilfaser	No Information
Mineralfaser	No Information

The application of the product is inside a building:

F 1200+	No Information
Steel galvanized	No Information
aluminium	No Information
copper	No Information
Stainless steel	No Information
Zinc die-cast	No Information
Plastics	No Information
Lacquer	Yes
Gummi	No Information
Ferrit-Magnet	No Information
Messing	No Information
PU-Schaum	No Information
Graphit	No Information
Textilfaser	No Information
Mineralfaser	No Information

Certified EMICODE standard:

F 1200+	No Information
Steel galvanized	No Information
aluminium	No Information
copper	No Information
Stainless steel	No Information
Zinc die-cast	No Information
Plastics	No Information
Lacquer	No Information
Gummi	No Information
Ferrit-Magnet	No Information
Messing	No Information
PU-Schaum	No Information
Graphit	No Information
Textilfaser	No Information
Mineralfaser	No Information

Brick, natural stone, concrete, ceramic tile, glass, metal surfaces without organic-based coatings, binders, or sealants used in their production or finishes.

The entire product complies with Hea 02 Indoor air quality because it is a inherently non-VOC emitting product:

F 1200+	Yes
----------------	------------

The product complies with Hea 02 Indoor air quality because it is a inherently non-VOC emitting product:

F 1200+	No Information
Steel galvanized	Yes
aluminium	Yes
copper	Yes
Stainless steel	Yes
Zinc die-cast	Yes
Plastics	No Information
Lacquer	No Information
Gummi	Yes
Ferrit-Magnet	Yes
Messing	No Information
PU-Schaum	Yes
Graphit	No Information
Textilfaser	No Information
Mineralfaser	No Information

The Product is a brick, natural stone, concrete, ceramic tile, glass, metal surfaces without organic-based coatings, binders, or sealants used in their production or finishes.

F 1200+	No
Steel galvanized	Yes
aluminium	Yes
copper	Yes
Stainless steel	Yes
Zinc die-cast	Yes
Plastics	No
Lacquer	No
Gummi	Yes
Ferrit-Magnet	Yes
Messing	No
PU-Schaum	Yes
Graphit	No
Textilfaser	No
Mineralfaser	No

■ Hea 02 Indoor air quality - Exemplary Level (GN22 V2.0 April 2016)

The product contributes toward satisfying Hea 02 Indoor air quality - Exemplary Level:

F 1200+	No
----------------	----

The product contributes toward satisfying Hea 02 Indoor air quality - Exemplary Level:

F 1200+	No Information
Steel galvanized	Yes
aluminium	Yes
copper	Yes
Stainless steel	Yes
Zinc die-cast	Yes
Plastics	No Information
Lacquer	No
Gummi	Yes
Ferrit-Magnet	Yes
Messing	No Information
PU-Schaum	Yes
Graphit	No Information
Textilfaser	No Information
Mineralfaser	No Information

Interior paints and coatings - Exemplary Level

The entire product complies with Hea 02 Indoor air quality - Exemplary Level for interior paints and coatings:

F 1200+	No
----------------	----

The product complies with Hea 02 Indoor air quality - Exemplary Level for interior paints and coatings:

F 1200+	No Information
Steel galvanized	No Information
aluminium	No Information
copper	No Information
Stainless steel	No Information
Zinc die-cast	No Information
Plastics	No Information
Lacquer	No
Gummi	No Information
Ferrit-Magnet	No Information
Messing	No Information
PU-Schaum	No Information
Graphit	No Information
Textilfaser	No Information
Mineralfaser	No Information

The application of the product is inside a building:

F 1200+	No Information
Steel galvanized	No Information
aluminium	No Information
copper	No Information
Stainless steel	No Information
Zinc die-cast	No Information
Plastics	No Information
Lacquer	Yes
Gummi	No Information
Ferrit-Magnet	No Information
Messing	No Information
PU-Schaum	No Information
Graphit	No Information
Textilfaser	No Information
Mineralfaser	No Information

Certified EMICODE standard:

F 1200+	No Information
Steel galvanized	No Information
aluminium	No Information
copper	No Information
Stainless steel	No Information
Zinc die-cast	No Information
Plastics	No Information
Lacquer	No Information
Gummi	No Information
Ferrit-Magnet	No Information
Messing	No Information
PU-Schaum	No Information
Graphit	No Information
Textilfaser	No Information
Mineralfaser	No Information

Product Subcategory according to Directive 2004/42/CE:

F 1200+	No Information
Steel galvanized	No Information
aluminium	No Information
copper	No Information
Stainless steel	No Information
Zinc die-cast	No Information
Plastics	No Information
Lacquer	Interior/exterior trim and cladding paints for wood and metal
Gummi	No Information
Ferrit-Magnet	No Information
Messing	No Information
PU-Schaum	No Information
Graphit	No Information
Textilfaser	No Information
Mineralfaser	No Information

Brick, natural stone, concrete, ceramic tile, glass, metal surfaces without organic-based coatings, binders, or sealants used in their production or finishes.

The entire product complies with Hea 02 Indoor air quality - Exemplary Level because it is a inherently non-VOC emitting product:

F 1200+	Yes
----------------	------------

The product complies with Hea 02 Indoor air quality - Exemplary Level because it is a inherently non-VOC emitting product:

F 1200+	No Information
Steel galvanized	Yes
aluminium	Yes
copper	Yes
Stainless steel	Yes
Zinc die-cast	Yes
Plastics	No Information
Lacquer	No Information
Gummi	Yes
Ferrit-Magnet	Yes
Messing	No Information
PU-Schaum	Yes
Graphit	No Information
Textilfaser	No Information
Mineralfaser	No Information

The Product is a brick, natural stone, concrete, ceramic tile, glass, metal surfaces without organic-based coatings, binders, or sealants used in their production or finishes.

F 1200+	No
Steel galvanized	Yes
aluminium	Yes
copper	Yes
Stainless steel	Yes
Zinc die-cast	Yes
Plastics	No
Lacquer	No
Gummi	Yes
Ferrit-Magnet	Yes
Messing	No
PU-Schaum	Yes
Graphit	No
Textilfaser	No
Mineralfaser	No

■ Materials

■ Mat 01 Life cycle impacts

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

F 1200+	EPD available: Yes
----------------	--------------------

An environmental product declaration exists for the product:

F 1200+	Yes
Steel galvanized	No
aluminium	No
copper	No
Stainless steel	No
Zinc die-cast	No
Plastics	No
Lacquer	No
Gummi	No
Ferrit-Magnet	No
Messing	No
PU-Schaum	No
Graphit	No
Textilfaser	No
Mineralfaser	No

EPD Owner of the Declaration:

F 1200+	Geze GmbH
Steel galvanized	No Information
aluminium	No Information
copper	No Information
Stainless steel	No Information
Zinc die-cast	No Information
Plastics	No Information
Lacquer	No Information
Gummi	No Information
Ferrit-Magnet	No Information
Messing	No Information
PU-Schaum	No Information
Graphit	No Information
Textilfaser	No Information
Mineralfaser	No Information

EPD Publisher:

F 1200+	ift Rosenheim GmbH
Steel galvanized	No Information
aluminium	No Information
copper	No Information
Stainless steel	No Information
Zinc die-cast	No Information
Plastics	No Information
Lacquer	No Information
Gummi	No Information
Ferrit-Magnet	No Information
Messing	No Information
PU-Schaum	No Information
Graphit	No Information
Textilfaser	No Information
Mineralfaser	No Information

EPD Programme holder:

F 1200+	LCEE GmbH
Steel galvanized	No Information
aluminium	No Information
copper	No Information
Stainless steel	No Information
Zinc die-cast	No Information
Plastics	No Information
Lacquer	No Information
Gummi	No Information
Ferrit-Magnet	No Information
Messing	No Information
PU-Schaum	No Information
Graphit	No Information
Textilfaser	No Information
Mineralfaser	No Information

EPD Declaration number:

F 1200+	M-EPD-AZR-104
Steel galvanized	No Information
aluminium	No Information
copper	No Information
Stainless steel	No Information
Zinc die-cast	No Information
Plastics	No Information
Lacquer	No Information
Gummi	No Information
Ferrit-Magnet	No Information
Messing	No Information
PU-Schaum	No Information
Graphit	No Information
Textilfaser	No Information
Mineralfaser	No Information

EPD Issue date:

F 1200+	18.12.2018
Steel galvanized	No Information
aluminium	No Information
copper	No Information
Stainless steel	No Information
Zinc die-cast	No Information
Plastics	No Information
Lacquer	No Information
Gummi	No Information
Ferrit-Magnet	No Information
Messing	No Information
PU-Schaum	No Information
Graphit	No Information
Textilfaser	No Information
Mineralfaser	No Information

EPD valid to:

F 1200+	18.12.2023
Steel galvanized	No Information
aluminium	No Information
copper	No Information
Stainless steel	No Information
Zinc die-cast	No Information
Plastics	No Information
Lacquer	No Information
Gummi	No Information
Ferrit-Magnet	No Information
Messing	No Information
PU-Schaum	No Information
Graphit	No Information
Textilfaser	No Information
Mineralfaser	No Information

■ **Mat 03 Responsible sourcing of construction products (GN18 V3.1 January 2018)**

Achieved RSCS summary score level in Mat 03 Responsible sourcing of construction products for the entire product:

F 1200+	RSCS level 0
----------------	---------------------

Achieved RSCS score level in Mat 03 Responsible sourcing of construction products for the product:

F 1200+	0
Steel galvanized	0
aluminium	0
copper	0
Stainless steel	0
Zinc die-cast	0
Plastics	0
Lacquer	0
Gummi	0
Ferrit-Magnet	0
Messing	0
PU-Schaum	0
Graphit	0
Textilfaser	0
Mineralfaser	0

Steel Products
Achieved RSCS summary score level in Mat 03 Responsible sourcing of construction products for the entire product - Steel Products:

F 1200+	0
----------------	---

**Achieved RSCS score level in Mat 03 Responsible sourcing of construction products for the product - Steel
 Products:**

F 1200+	0
Steel galvanized	0
aluminium	No Information
copper	No Information
Stainless steel	0
Zinc die-cast	No Information
Plastics	No Information
Lacquer	No Information
Gummi	No Information
Ferrit-Magnet	No Information
Messing	No Information
PU-Schaum	No Information
Graphit	No Information
Textilfaser	No Information
Mineralfaser	No Information

The product is made of steel:

F 1200+	Yes
Steel galvanized	Yes
aluminium	No
copper	No
Stainless steel	Yes
Zinc die-cast	No
Plastics	No
Lacquer	No
Gummi	No
Ferrit-Magnet	No
Messing	No
PU-Schaum	No
Graphit	No
Textilfaser	No
Mineralfaser	No

Certified with CARES Sustainable Constructional Steel Scheme:

F 1200+	No
Steel galvanized	No
aluminium	No Information
copper	No Information
Stainless steel	No
Zinc die-cast	No Information
Plastics	No Information
Lacquer	No Information
Gummi	No Information
Ferrit-Magnet	No Information
Messing	No Information
PU-Schaum	No Information
Graphit	No Information
Textilfaser	No Information
Mineralfaser	No Information

Certified with Eco Reinforcement:

F 1200+	No
Steel galvanized	No
aluminium	No Information
copper	No Information
Stainless steel	No
Zinc die-cast	No Information
Plastics	No Information
Lacquer	No Information
Gummi	No Information
Ferrit-Magnet	No Information
Messing	No Information
PU-Schaum	No Information
Graphit	No Information
Textilfaser	No Information
Mineralfaser	No Information

Environmental Management Systems (EMS) certified for Key Process and supply chain extraction process:

F 1200+	No
Steel galvanized	No
aluminium	No
copper	No
Stainless steel	No
Zinc die-cast	No
Plastics	No
Lacquer	No
Gummi	No
Ferrit-Magnet	No
Messing	No
PU-Schaum	No
Graphit	No
Textilfaser	No
Mineralfaser	No

Environmental Management Systems (EMS) certified for Key Process::

F 1200+	No
Steel galvanized	No
aluminium	No
copper	No
Stainless steel	No
Zinc die-cast	No
Plastics	No
Lacquer	No
Gummi	No
Ferrit-Magnet	No
Messing	No
PU-Schaum	No
Graphit	No
Textilfaser	No
Mineralfaser	No

Certified with BES 6001 Framework Standard for Responsible Sourcing:

F 1200+	No
Steel galvanized	No
aluminium	No
copper	No
Stainless steel	No
Zinc die-cast	No
Plastics	No
Lacquer	No
Gummi	No
Ferrit-Magnet	No
Messing	No
PU-Schaum	No
Graphit	No
Textilfaser	No
Mineralfaser	No

Other

Achieved RSCS score level in Mat 03 Responsible sourcing of construction products for the entire product - Other:

F 1200+	0
----------------	----------

Achieved RSCS score level in Mat 03 Responsible sourcing of construction products for the product - Other:

F 1200+	0
Steel galvanized	No Information
aluminium	0
copper	0
Stainless steel	No Information
Zinc die-cast	0
Plastics	0
Lacquer	0
Gummi	0
Ferrit-Magnet	0
Messing	0
PU-Schaum	0
Graphit	0
Textilfaser	0
Mineralfaser	0

The product does not fall under any of the above listed product groups:

F 1200+	No
Steel galvanized	No
aluminium	Yes
copper	Yes
Stainless steel	No
Zinc die-cast	Yes
Plastics	Yes
Lacquer	Yes
Gummi	Yes
Ferrit-Magnet	Yes
Messing	Yes
PU-Schaum	Yes
Graphit	Yes
Textilfaser	Yes
Mineralfaser	Yes

■ Contact Details Manufacturer

GEZE GmbH

Reinhold-Vöster-Str. 21-29
71229 Leonberg
DE
<http://www.geze.de/>



■ Disclaimer

This verification is the evaluation and ranking of products in terms of the certification system DGNB 2015 (New construction of office buildings). 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.