Product Verification

Sustainability

■ 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

Materials & Resources

Criteria	Product Verification
MR Credit 4: Recycled Content	9.15 %
MR Credit 5: Regional Materials	No
MR Credit 6: Rapidly Renewable Materials	0 %
MR Credit 7: Certified Wood	N/A

Indoor Environmental Quality

Criteria	Product Verification
IEQ Credit 4.1: Low Emitting Materials: Adhesives and Sealants	N/A
IEQ Credit 4.2: Low Emitting Materials: Paints and Coatings	N/A
IEQ Credit 4.3: Low Emitting Materials: Flooring Systems	N/A
IEQ Credit 4.4: Low Emitting Materials: Composite Wood and Agrifiber Products	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:

- Creditable recycled content according to LEED for the entire product: 9.15 %

- Information for MR Credit 5: Regional Materials is available (points can be achieved if the product has been extracted, harvested or recovered, as well as manufactured, within 500 miles/800 km of the project site): No

- Content of rapidly renewable materials for the entire product: 0 %

■ Product Properties

Ingredients:

Manufacturer:

Are reverse logistics in place for the product?　　　No

Environmental Management System according ISO 14001:　Yes

■ Product Components

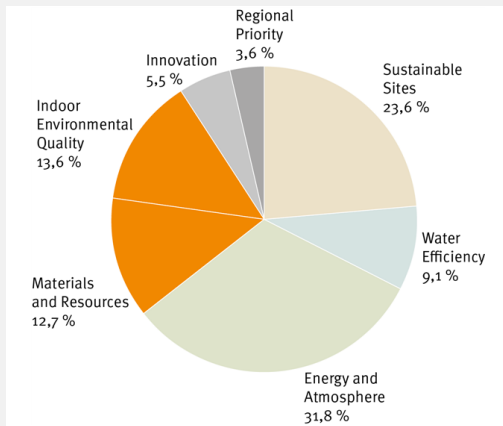| Name	Amount	Material type / Function	DfD	Total Weight	Specific Weight	Portion (%)
Steel galvanized	28.100		N/A	28.100	1 kg / kg	28.10 %
aluminium	20.600		N/A	20.600	1 kg / kg	20.60 %
copper	3.500		N/A	3.500	1 kg / kg	3.50 %
Stainless steel	2.500		N/A	2.500	1 kg / kg	2.50 %
Zinc die-cast	30.300		N/A	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 %

Building Material Scout

■ System description

The American LEED (Leadership in Energy and Environmental Design) certification system was published by the USGBC (U.S. Green Building Council) in the late 1990s. The LEED system can be used internationally for all buildings, regardless of whether it is a new building, refurbishment or existing building. In LEED v3 a total of seven environmental categories with different credits are considered, in which up to 110 points can be collected. The LEED levels of certification which can be achieved are Certified, Silver, Gold and Platinum. Up to now, more than 92,000 LEED projects have been registered in 167 countries, of which 39,000 have already achieved a certificate (as of October 2017).

Source: www.usgbc.org

■ System categories

Category Weighting

Regional Priority 3,6 %
Innovation 5,5 %
Indoor Environmental Quality 13,6 %
Sustainable Sites 23,6 %
Water Efficiency 9,1 %
Materials and Resources 12,7 %
Energy and Atmosphere 31,8 %

Category	Category considered in product verification
Sustainable Sites (SS)	No
Water Efficiency (WE)	No
Energy and Atmosphere (EA)	No
Materials and Ressources (MR)	Yes
Indoor Environmental Quality (EQ)	Yes
Innovation (IN)	No
Regional Priority (RP)	No

Source: LEED 2009 - New Construction

Detailed Verification

Self declared according to LEED Building Design and Construction V3 (2009)

■ Materials & Resources

■ MR Credit 4: Recycled Content

Creditable recycled content according to LEED for the entire product:

F 1200+	9.15 %

Postconsumer recycled content for the entire product:

F 1200+	9.15 %
Steel galvanized	25 %
aluminium	0 %
copper	0 %
Stainless steel	25 %
Zinc die-cast	0 %
Plastics	0 %
Lacquer	0 %
Gummi	0 %
Ferrit-Magnet	0 %
Messing	25 %
PU-Schaum	0 %
Graphit	0 %
Textilfaser	25 %
Mineralfaser	0 %

Do you want to enter the recycled content for the entire product? Otherwise it will be automatically calculated from the components. If you do not have components for your product, we recommend that you enter the recycling percentage for the entire product here:

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

Postconsumer recycled content of product (creditable):

F 1200+	25 %
Steel galvanized	25 %
aluminium	0 %
copper	0 %
Stainless steel	25 %
Zinc die-cast	0 %
Plastics	0 %
Lacquer	0 %
Gummi	0 %
Ferrit-Magnet	0 %
Messing	25 %
PU-Schaum	0 %
Graphit	0 %
Textilfaser	25 %
Mineralfaser	0 %

Recycled content post-consumer:

F 1200+	No Information
Steel galvanized	25 wt%
aluminium	0 wt%
copper	0 wt%
Stainless steel	25 wt%
Zinc die-cast	0 wt%
Plastics	0 wt%
Lacquer	0 wt%
Gummi	0 wt%
Ferrit-Magnet	0 wt%
Messing	25 wt%
PU-Schaum	0 wt%
Graphit	0 wt%
Textilfaser	25 wt%
Mineralfaser	0 wt%

Postconsumer recycled content for steel according to LEED:

F 1200+	25 %
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 %

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

Recycled content pre-consumer:

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

Preconsumer recycled content for the entire 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 %

■ MR Credit 5: Regional Materials

Information for MR Credit 5: Regional Materials is available (points can be achieved if the product has been extracted, harvested or recovered, as well as manufactured, within 500 miles/800 km of the project site):

F 1200+	No

Place of raw material extraction (e.g D-70563 Stuttgart):

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

Place of manufacture (e.g. D-70563 Stuttgart):

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

The distance between place of raw material extraction and manufacture is less than 500 miles/800 km:

F 1200+	No Information
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

■ MR Credit 6: Rapidly Renewable Materials

Content of rapidly renewable materials for the entire product:

F 1200+	0 %

Entire proportion of rapidly renewable raw materials

F 1200+	No Information
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

Content of rapidly renewable raw materials for the product

F 1200+	0 %
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	0 %
Textilfaser	No Information
Mineralfaser	No Information

■ MR Credit 7: Certified Wood

Content of FSC-certified wood-based materials in the entire product:

F 1200+	N/A

The product is a wood-based material or is partially made of wood:

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

■ Indoor Environmental Quality

■ IEQ Credit 4.1: Low Emitting Materials: Adhesives and Sealants

The entire product contributes toward satisfying IEQ Credit 4.1: Low Emitting Materials: Adhesives and Sealants:

F 1200+	N/A

■ IEQ Credit 4.2: Low Emitting Materials: Paints and Coatings

The entire product contributes toward satisfying IEQ Credit 4.2: Low Emitting Materials: Paints and Coatings:

F 1200+	N/A

■ IEQ Credit 4.3: Low Emitting Materials: Flooring Systems

The entire product contributes toward satisfying IEQ Credit 4.3: Low Emitting Materials: Flooring Systems:

F 1200+	N/A

■ IEQ Credit 4.4: Low Emitting Materials: Composite Wood and Agrifiber Products

The entire product contributes toward satisfying IEQ Credit 4.4: Low Emitting Materials: Composite Wood and Agrifiber Products:

F 1200+	N/A

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■ Disclaimer

This verification is the evaluation and ranking of products in terms of the certification system LEED 2009 (Building Design and Construction). The USGBC (U.S. Green Building Council) generally does not certify products. Therefore the project team or the manufacturer is responsible to declare compliance with respect to the LEED 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 LEED 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 LEED 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 LEED 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.