

Product Verification

Sustainability

Self declared according to DGNB Neubau 2018

■ 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

Environmental Quality (ENV)

Criteria	Product Verification
ENV 1.1 LBuilding life cycle assessment (Updated on: 16.07.2018)	EPD available: Yes
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
ENV1.3.2 Secondary 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: Yes
- Achieved quality level in DGNB 2018 Criteria ENV 1.2 Local environmental impact for the entire product: Quality level 2 of 4

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 %

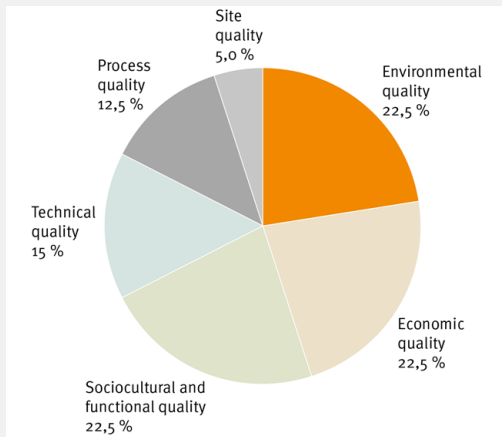
■ System description

The 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

■ 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 LBuilding 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:

F 1200+	EPD available: Yes
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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

■ 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:

F 1200+	Quality level 2 of 4
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Achieved quality level in DGNB 2018 Criterion ENV 1.2 Local environmental impact:

F 1200+	Quality level 4
Steel galvanized	Quality level 4
aluminium	Quality level 2
copper	Quality level 4
Stainless steel	Quality level 4
Zinc die-cast	Quality level 4
Plastics	Quality level 4
Lacquer	Quality level 4
Gummi	Quality level 4
Ferrit-Magnet	Quality level 4
Messing	Quality level 4
PU-Schaum	Quality level 4
Graphit	Quality level 4
Textilfaser	Quality level 4
Mineralfaser	Quality level 4

Coatings - on mineral interior sub-surfaces (DGNB ENV1.2 Row 2):

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

Coatings - on mineral interior sub-surfaces (DGNB ENV1.2 Row 3):

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

Adhesives - for wallpapers (DGNB ENV1.2 Row 4 / BNB BN 2015 1.1.6 Row 12):

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

Coating materials and insulation adhesives - on exterior mineral surfaces (DGNB ENV1.2 Row 5):

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

Flooring - textile floor coverings (DGNB ENV1.2 Row 6 / BNB BN 2015 1.1.6 Row 1):

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

Flooring - resilient floor coverings (DGNB ENV1.2 Row 7):

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

Adhesives, sealants, primers, precoats, fillers - for wall and floor coverings (DGNB ENV1.2 Row 8):

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

Barrier coatings, resin screeds, seals - for tiles (DGNB ENV1.2 Row 9):

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

Impregnations and strengtheners - for natural stone floorings (DGNB ENV1.2 Row 10 / BNB BN 2015 1.1.6 Row 7):

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

Adhesives and sealants (PU and SMP) - for skirting boards, door rails and raised or cavity floors (DGNB ENV1.2
Row 11):

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

Adhesives and sealants (acrylate, silicone, SMP) - interior and technical building equipments (DGNB ENV1.2 Row 12):

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

Adhesives and sealants (PU, PU hybrid, MS polymer, SMP or the like) - on the façade, windows and external doors (DGNB ENV1.2 Row 13):

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

Concrete release agents - mould oils and release agents for concreting (DGNB ENV 1.2 Row 14 / BNB BN 2015
1.1.6 Row 43):

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

Coatings (fire protection coatings) - on load-bearing metal components (DGNB ENV1.2 Row 15):

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

Coatings (corrosion protection coatings C3) - on load-bearing metal components (DGNB ENV1.2 Row 17 / BNB BN 2015 1.1.6 Row 14):

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

Coatings (corrosion protection coatings > C3) - on load-bearing metal components (DGNB ENV1.2 Row 18):

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

Coatings (reactive PU products) - on mineral floor, ceiling and wall surfaces (DGNB ENV1.2 Row 20 / BNB BN 2015 1.1.6 Row 17):

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

Coatings - for wooden surface (DGNB ENV1.2 Row 21):

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

Coatings (PMMA/EP) and liquid plastics - for industrial floors, parking areas, underground car parks, as well as for sealing building components or kitchens (DGNB ENV1.2 Row 22):

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

Coatings (EP-product)s - on mineral surfaces of floors, ceilings and walls (DGNB ENV1.2 Row 23 / BNB BN 2015
1.1.6 Row 19):

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

Ccoatings (PU/EP) - for industrial floorings, parking areas and underground car parks for OS8 and OS11 (DGNB ENV1.2 Row 24):

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

Bitumen products - for roof and building waterproofing as well as installation of insulation (DGNB ENV1.2 Row 25 / BNB BN 2015 1.1.6 Row 21):

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

Bitumen products - compound sealants for inverted roofs (DGNB ENV1.2 Row 26 / BNB BN 2015 1.1.6 Row 22):

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

Coatings (oils and waxes) - for wooden surfaces (DGNB ENV1.2 Row 27):

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

Wood preservatives - on load-bearing internal and external wood components (DGNB ENV1.2 Row 28 / BNB BN 2015 1.1.6 Row 24):

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

Wood preservatives - on external wood components (DGNB ENV1.2 Row 29 / BNB BN 2015 1.1.6 Row 25):

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

Wood preservatives - on NON-load-bearing internal and external wood components (DGNB ENV1.2 Row 30.1):

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

Film protected wooden glazes (DGNB ENV1.2 Row 31):

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

Roof covering, gutters, downpipes (DGNB ENV1.2 Row 34 / BNB BN 2015 1.1.6 Row 30):

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

Plastic - films on roof and foundations (DGNB ENV1.2 Row 36):

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

Refrigerants - Cooling systems, building technology (DGNB ENV1.2 Row 37 / BNB BN 2015 1.1.6 Row 34):

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

Assembly foams - for the fitting of exterior doors, exterior windows and interior fittings (DGNB ENV1.2 Row 38):

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

Assembly foams - for insulating materials (DGNB ENV1.2 Row 39):

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

Insulating materials - plastic foam insulation such as Resol Plates (DGNB ENV1.2 Row 40):

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

Insulating materials - plastic foam insulation such as (PS/XPS/PUR/PIR und Resol) (DGNB ENV1.2 Row 41):

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

Adhesives and sealants, fillers - for fire protection applications (DGNB ENV1.2 Row 42):

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

Insulating materials and wall coverings - plastic foam insulation of building technology and wallpapers, non-wovens, etc. (DGNB ENV1.2 Row 43):

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

Wood protection, wood-based materials, organic insulating materials (DGNB ENV1.2 Row 45):

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

Adhesives (PU) - for dry screed, cavity floor, dry construction boards (DGNB ENV1.2 Row 46):

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

Wood-based materials - for interior doors, room acoustic elements, room-in-room systems, panel claddings (DGNB ENV1.2 Row 47a):

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

Wood-based materials - for wooden houses and wooden constructions (DGNB ENV1.2 Row 48):

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

Wood preservatives - on wooden windows (DGNB ENV1.2 Row 30.2):

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

Wood-based materials - for carpentry products and panel claddings (DGNB ENV1.2 Row 47b):

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

Row 1: Coatings on non-mineral backgrounds: Metals, wood, plastics - Liquid coating materials are meant: Decorative lacquers/glazes with primer coatings. Effect coatings (e.g. metallic paints) are an exception to this.

Achieved quality level in DGNB 2018 ENV 1.2 Row 1 for the entire product:

F 1200+	Quality level 4
----------------	-----------------

Achieved quality level in DGNB 2018 ENV 1.2 Row 1:

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	Quality level 4
Gummi	No Information
Ferrit-Magnet	No Information
Messing	No Information
PU-Schaum	No Information
Graphit	No Information
Textilfaser	No Information
Mineralfaser	No Information

Coatings - on NON-mineral interior sub-surfaces (DGNB ENV1.2 Row 1):

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

Certified RAL-UZ (Blue Angel) 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 entry
Gummi	No Information
Ferrit-Magnet	No Information
Messing	No Information
PU-Schaum	No Information
Graphit	No Information
Textilfaser	No Information
Mineralfaser	No Information

The factory coating process complies with the requirements of VO 2010/75/EU

F 1200+	No Information
Steel galvanized	No
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

Factory coating:

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

VOC content:

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	≤ 14.7 g/l
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

Row 16: Supporting metal components (wall thickness > 3mm) with > 500 m² of coated surface in the building such as e.g. atrium construction, bridges etc. Corrosion protection coatings for internal components (max. corrosiveness category C2 high) are what is meant here.

Achieved quality level in DGNB 2018 ENV 1.2 Row 16 for the entire product:

F 1200+	Quality level 4
----------------	------------------------

Achieved quality level in DGNB 2018 ENV 1.2 Row 16:

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	Quality level 4
Gummi	No Information
Ferrit-Magnet	No Information
Messing	No Information
PU-Schaum	No Information
Graphit	No Information
Textilfaser	No Information
Mineralfaser	No Information

Coatings (corrosion protection coatings C2) - on load-bearing metal components (DGNB ENV1.2 Zeile 16 / BNB BN 2015 1.1.6 Zeile 13):

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

Water soluble products in accordance with the current Decopaint Directive:

F 1200+	No Information
Steel galvanized	No
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

Row 19: Non-supporting metal parts such as Non-load-bearing metal components such as banisters, metal substructures, frames, steel doors, façade elements and heat and cold transfer surfaces (Factory and building site). Corrosion coatings and effect coatings (e.g. metallic effect lacquers) are what is meant here.

Achieved quality level in DGNB 2018 ENV 1.2 Row 19 for the entire product:

F 1200+	Quality level 4
----------------	-----------------

Achieved quality level in DGNB 2018 ENV 1.2 Row 19:

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	Quality level 4
Gummi	No Information
Ferrit-Magnet	No Information
Messing	No Information
PU-Schaum	No Information
Graphit	No Information
Textilfaser	No Information
Mineralfaser	No Information

Coatings (corrosion protection coatings and effect coatings) - on NON-load-bearing metal components (DGNB ENV1.2 Row 19 / BNB BN 2015 1.1.6 Row 16):

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

The product is a metallic effect lacquers:

F 1200+	No Information
Steel galvanized	No
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

Row 32: All aluminum and stainless steel components of the shell with a total area of > 5m². 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:

F 1200+	Quality level 2
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Achieved quality level in DGNB 2018 ENV 1.2 Row 32:

F 1200+	No Information
Steel galvanized	No Information
aluminium	Quality level 2
copper	No Information
Stainless steel	Quality level 4
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

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

F 1200+	No Information
Steel galvanized	No
aluminium	Yes
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

Free of chromium-VI compounds:

F 1200+	No Information
Steel galvanized	No Information
aluminium	No Information
copper	No Information
Stainless steel	Yes
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

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:

F 1200+	Quality level 4
----------------	-----------------

Achieved quality level in DGNB 2018 ENV 1.2 Row 33:

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	Quality level 4
Gummi	No Information
Ferrit-Magnet	No Information
Messing	No Information
PU-Schaum	No Information
Graphit	No Information
Textilfaser	No Information
Mineralfaser	No Information

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

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

Free of lead:

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

Free of cadmium:

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

Free of chromium-VI compounds:

F 1200+	No Information
Steel galvanized	No Information
aluminium	No Information
copper	No Information
Stainless steel	Yes
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

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:

F 1200+	Quality level 4
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Achieved quality level in DGNB 2018 ENV 1.2 Row 35:

F 1200+	No Information
Steel galvanized	No Information
aluminium	No Information
copper	No Information
Stainless steel	No Information
Zinc die-cast	No Information
Plastics	Quality level 4
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

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

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

Free of lead, cadmium and chrome-VI:

F 1200+	No Information
Steel galvanized	No Information
aluminium	No Information
copper	No Information
Stainless steel	No Information
Zinc die-cast	No Information
Plastics	Yes
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

Free of tin:

F 1200+	No Information
Steel galvanized	No Information
aluminium	No Information
copper	No Information
Stainless steel	No Information
Zinc die-cast	No Information
Plastics	Yes
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

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:

F 1200+	Quality level 4
----------------	-----------------

Achieved quality level in DGNB 2018 ENV 1.2 Row 44:

F 1200+	No Information
Steel galvanized	No Information
aluminium	No Information
copper	No Information
Stainless steel	No Information
Zinc die-cast	No Information
Plastics	Quality level 4
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

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

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

SVHC according REACH < 0,1 %:

F 1200+	No Information
Steel galvanized	No Information
aluminium	No Information
copper	No Information
Stainless steel	No Information
Zinc die-cast	No Information
Plastics	Yes
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 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:

F 1200+	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:

F 1200+	Quality level 4
Steel galvanized	Quality level 4
aluminium	No Information
copper	Quality level 4
Stainless steel	No Information
Zinc die-cast	Quality level 4
Plastics	No Information
Lacquer	No Information
Gummi	Quality level 4
Ferrit-Magnet	Quality level 4
Messing	Quality level 4
PU-Schaum	Quality level 4
Graphit	Quality level 4
Textilfaser	Quality level 4
Mineralfaser	Quality level 4

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:

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

■ ENV1.3.1 Responsibly sourced raw materials

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

F 1200+	N/A
----------------	-----

The product meets the requirements of quality level 1:

F 1200+	quality level 0 of 1
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	quality level 0 of 1
PU-Schaum	No Information
Graphit	quality level 0 of 1
Textilfaser	quality level 0 of 1
Mineralfaser	quality level 0 of 1

■ ENV1.3.2 Secondary raw materials

The product achieves the following quality level in criterion ENV1.3.2 (Secondary raw materials).

F 1200+	N/A
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metal

The metal fraction in the product is obtained from secondary raw materials of the following quality level:

F 1200+	No Information
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The product is mainly made of metal

F 1200+	No
Steel galvanized	Yes
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

Metal content in the product

F 1200+	No Information
Steel galvanized	0 %
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

Proportion of secondary material in the metal (Recycled Content)

F 1200+	No Information
Steel galvanized	25 %
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

othermaterials

The product meets the quality level in the category of other material groups:

F 1200+	0 of 1
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The product does not consist of any of these materials

F 1200+	Yes
Steel galvanized	No
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

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%

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%

■ 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.