Product verification

Manufacturer's declaration

Sliding and revolving door drives

GEZE GmbH

Building certification systems

DGNB New Building 18 and DGNB New Building 23 ☑	**QNG Plus Version 1.1-1.5** ☑	**BNB - Sustainable Construction Assessment System 2015/2017** ☑
EU taxonomy ☑	**LEED v4.1** ☑	**BREEAM DE new building 2018 & BREEAM International 2016** ☑

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Overview of products

The declaration evaluates all possible product components of automatic swing and sliding door drives. This includes:

Sliding door drive families
- ECdrive
- Slimdrive
- Powerdrive

Revolving door drive families
- ECturn
- Slimdrive EMD
- Powerturn

The product can consist of the following components:

Metals

- Steel/stainless steel
- aluminum
- copper
- zinc die-casting

Coatings

- Paints (powder coating)
- primer

Plastics

- Cable sheathing (PVC)
- EPDM seals

DGNB New Building 2018 and DGNB New Building 2023

ENV1.2 Risks to the local environment

The requirements of quality levels 1-4 in the DGNB system 2018 and 2023 for criterion *ENV1.2 Risks to the local environment* are met.

Assessment result: Quality level 4

Criteria requirement	Fulfillment of DGNB New Building 2018 and DGNB New Building 2023
DGNB line 19: **Non-load-bearing metal components such as stair railings,** **Metal substructures, frames, steel doors,** **Facade elements, heat and** **Cold transfer surfaces, cold pipes** Corrosion protection coatings and Effect coatings (e.g. metallic effect paints) Requirements apply to on-site applied Corrosion protection coatings and effect coatings	**Requirement quality level 1-4 is met:** Only factory-applied anti-corrosion coatings and effect coatings are applied.
DGNB line 33: **Coated metal components: facade elements, doors, radiators, and chilled ceilings. Hot-dip galvanizing is not considered a coating within the meaning of this criterion.** Primer and final coating (e.g. paints, varnishes, powder coatings)	**Requirement quality level 1-4 is met:** No use of chromium VI compounds.
DGNB line 44: **Products made of plastics (PVC)** QS3-QS4: wall coverings, wall coverings, Ceiling coverings, cable sheathing QS4: wall coverings, wall coverings, Ceiling cladding, cable sheathing, plastic window profiles, skylight dome curbs, plastic doors	**Requirement quality level 1-4 is met:** For all cables and cable sheaths, SVHC is ≤ 0.1%. A manufacturer's declaration "No SVHC substances > 0.1%" is available.

ENV1.3 Responsible resource extraction

Not relevant for consideration.

QNG Plus Version 1.1-1.5

ANF3-1 Prevention of pollutants in building materials

This means that the requirements of QNG Plus Version 1.1-1.5 Requirement 3: - *ANF3-1 Prevention of pollutants in building materials are* met.

Assessment result: Fulfilled

Criteria requirement	Fulfillment of QNG version 1.1-1.5
11.1 SVHC **Overall requirement for the quality of the building** Applies to all construction products.	**Requirements are met:** Manufacturer information according to REACH is available.
7.4 Corrosion protection of non-load-bearing metal components inside and outside Corrosion protection coatings for stair railings, Metal substructures, metal frames, steel doors, Facade elements, metal ceilings, radiators, distribution cabinets, cooling pipes, sprinkler pipes, etc., Primers for powder coatings on doors/frames, Coatings on metal ceilings, TGA pipes and Distribution cabinets (electrical, MSR, IT, fire extinguisher cabinet) and effect coatings (e.g. metallic effect paints)	**Requirements are met:** Only factory-processed construction products are used. These are not considered according to the criteria requirements.
13.1 Electrical installations, data processing and MSR technology Cables, lines, conduits and cable ducts and plastic cable trays	**Requirements are met:** Phthalate plasticizers toxic to reproduction ≤ 0.1% AND PBB, PBDE, lead and cadmium ≤ 0.1%.

ANF2-WG1/NW1 Sustainable material extraction

Not relevant for consideration.

BNB - Sustainable Construction Assessment System 2015/2017

1.1.6 Risks to the local environment

This means that the requirements of quality levels 1-5 in the BNB system 2015/2017 criterion *Risks to the local environment are* met.

Assessment result: Quality level 5

1. General requirements	Fulfillment of BNB quality levels 1-5
Item 0 SVHC all construction products listed in Annex 1.	**Requirement quality level 1-5 is met:** Manufacturer information according to REACH is available.

8. Metal sheets and (corrosion) protective coatings for metals, metal products	Fulfillment of BNB quality levels 1-5
Pos. 27 Heavy metals (chromium VI) Surface finishing Aluminium and stainless-steel sheets and profiles for Surface cladding (facade, roof, windows, doors, gates, sun protection systems, etc.)	**Requirement quality level 1-5 is met:** Chromium VI oxide-free passivating agents.

11. PVC products	Fulfillment of BNB quality levels 1-5
Pos. 29 Heavy metals (lead, cadmium, tin), dangerous individual substances Plastic construction products Wall coverings, facade elements, skylights, window profiles, gutters, pipes, ducts and cables made of PVC as well as PVC foils for sealing roofs and exterior walls UG	**Requirement quality level 1-5 is met:** No cadmium or lead stabilizers are used for any cables or cable sheathing, and the following applies to soft PVC: reproductively toxic phthalate plasticizers < 0.1%.

1.1.7 Sustainable material extraction / wood

Not relevant for consideration.

EU taxonomy

EU Taxonomy Pollution Prevention (DNSH) Compliance Appendix C

The EU taxonomy requirements regarding ingredients are met and confirmed.

Assessment result: EU taxonomy fulfilled

Criteria requirement	Compliance with EU Taxonomy Manufacturer Declaration
(a) substances on their own, in mixtures or in articles listed in **Annexes I or II to Regulation (EU) 2019/1021**, except in the case of substances present as unintentional trace impurities	**Requirements are met:** No substances listed in Annexes I or II to Regulation (EU) 2019/1021 are present.
(b) mercury and mercury compounds, their mixtures and mercury-added products as defined in **Article 2 of Regulation (EU) 2017/852**	**Requirements are met:** No mercury used.
Listed in Annexes I or II to **Regulation (EC) No 1005/2009**	**Requirements are met:** No substances listed in Annexes I or II to Regulation (EU) 1005/2009 are present.
(d) substances on their own, in mixtures or in articles listed in Annex II to Directive 2011/65/EU, unless Article 4(1) of that Directive is fully complied with	**Requirements are met:** No substances listed in Annex II to Directive (EU) 2011/65.
(e) substances on their own, in mixtures or in an article listed in Annex XVII to Regulation (EC) No 1907/2006, unless the conditions laid down in that Annex are fully complied with;	**Requirements are met:** No substances listed in Annex XVII of Regulation (EU) 1907/2006.

(f) substances, whether on their own, in mixtures or in an article, in a concentration above 0,1 % w/w, which meet the criteria laid down in Article 57 of Regulation (EC) No 1907/2006 and which have been identified in accordance with Article 59(1) of that Regulation for a period of at least 18 months, unless operators have assessed and documented that no other suitable alternative substances or technologies are available on the market and that they are used under controlled conditions. Furthermore, the activity does not result in the manufacture, presence in the final product or production or placing on the market of other substances, whether on their own, in mixtures or in an article, in a concentration above 0.1% by weight (w/w), that meet the criteria of Regulation (EC) No 1272/2008 for any of the hazard classes or hazard categories referred to in Article 57 of Regulation (EC) No 1907/2006, unless operators have assessed and documented that no other suitable alternative substances or technologies are available on the market and these are used under controlled conditions.	**Requirements are met:** No substances listed in Article 57 of Regulation (EC) No 1907/2006.

EU Taxonomy - Pollution Prevention (DNSH) - Emissions Interior Products

Additionally, the following requirements apply to paints and varnishes, ceiling tiles, floor coverings, including associated adhesives and sealants, interior insulation, and interior surface treatments, e.g., for the treatment of moisture and mold.

The EU Taxonomy requirements regarding emissions are met and confirmed.

Assessment result: EU taxonomy fulfilled

Criteria requirement	Compliance with EU Taxonomy Manufacturer Declaration
The product is confirmed to comply with the following emissions: ▪ less than **0.001 mg of other carcinogenic volatile organic compounds** of categories 1A and 1B per m³ in the test chamber when tested in accordance with CEN/EN 16516 or ISO 16000-3 or other equivalent standardised test conditions and determination methods. A corresponding emissions test report can be provided upon request.	**Requirements are met:** Door drives do not fall under the requirements of this criterion.
The product is confirmed to comply with the following emissions: ▪ less than **0.06 mg formaldehyde per m³** in the test chamber when tested in accordance with the conditions of Annex XVII to Regulation (EC) No 1907/2006	**Requirements are met:** Door drives do not fall under the requirements of this criterion.

LEED v4.1

LEED Credit - Low-Emitting Materials

The product contributes to meeting the requirements of LEED v4.1 *Credit Low-Emitting Materials.*

Assessment result: LEED Credit fulfilled

Criteria requirement	Fulfillment of LEED manufacturer declaration
Paints and varnishes At least 75% of all paints and coatings (by volume or surface area) meet the VOC emission rating requirements AND 100% meet the VOC content rating requirements. The Paints and Coatings product category includes all interior paints and coatings for wet on-site application, specialty end products (paints, sealants, hardeners, and coverings for concrete floors), and plasters. Foamed and sprayed insulation are excluded (include in the “Insulation” category).	**Requirements are met:** No use of liquid paints and coatings on the construction site.

LEED Credit - Environmental Product Declarations

The product contributes to the requirements of LEED v4.1 *Credit Environmental Product Declarations* to be fulfilled.

Assessment result: LEED Credit fulfilled

Criteria requirement	Fulfillment of LEED manufacturer declaration
Option 1. **Environmental Product Declaration (EPD)**	**Requirements are met:** A product-specific environmental product declaration (EPD) with the declaration number EPD-GEZ-20250050-IBC1-EN is available.

BREEAM DE new building 2018 & BREEAM International 2016

Hea 02 Indoor air quality – emissions from building products

The requirements of criterion *Hea 02 Indoor Air Quality – Emissions from Building Products* in the BREEAM system are met.

Assessment result: BREEAM Hea 02 fulfilled

Emission limits according to Product category	Compliance with BREEAM Hea 02
Paints and varnishes for interiors Formaldehyde ≤ 0.06 mg/m³ Total volatile organic compounds (TVOC) ≤ 1.0 mg/m³ Carcinogenic substances of category 1A and 1B ≤ 0.001 mg/m³	**Examination requirements met:** The requirements are met for the powder coatings used, as they are considered non-emitting.

Mat 03 Responsible material procurement - Responsible procurement of building products & basic requirement

Not relevant for consideration.

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