Product verification

Manufacturer's declaration

Multifunctional steel doors with mineral wool insulation

Novoferm Riexinger Türwerke GmbH

Building certification systems

DGNB Neubau 18 und DGNB Neubau 23	QNG Plus Version	BNB - Bewertungssystem Nachhaltiges Bauen
☑	☑	☑

EU-Taxonomie	LEED v4/ v4.1	BREEAM DE Neubau 2018 & BREEAM International 2016
☑	☑	☑

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Product Overview

The declaration assesses the following products:

- Novoferm multifunctional steel doors with mineral wool insulation in various designs, formats and styles for all installation situations.

The product can consist of the following components:

Metals

- Stainless steel
- Galvanized steel
- Plate material

Paints/Coatings

- Powder coating

Plastics

- TPE (seal)
- EPDM (seal)

Insulating core

- Mineral wool

Other building materials

- Plasterboard

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.

Rating result: Quality level 4

Criteria requirement	Compliance with DGNB New Construction 2018 and DGNB New Construction 2023
DGNB line 33: **Coated metal components: facade elements, doors, radiators, radiant heating and cooling ceilings. Hot-dip galvanizing is not considered a coating within the meaning of this criterion.** Primer and topcoat (e.g. paints, varnishes, powder coatings).	**Quality level 1-4 requirements are met:** The factory-applied and powder-coated metal components contain no chromium VI compounds.

ENV1.3 Responsible resource extraction

Not relevant for consideration.

QNG Plus Version 1.1-1.5

ANF3-1 Pollutant prevention in building materials

This fulfills the requirements of QNG Plus Version 1.1-1.5 Requirement 3: - *ANF3-1 Avoidance of pollutants in building materials* .

Rating result: Satisfied

Criteria requirement	Compliance with QNG version 1.1-1.5
Requirement 1.1 General requirement for the quality of the building construction products listed in the criteria matrix	**Requirements are met.** Manufacturer information confirms that the SVHC content is > 0.1%.
6.1 On-site coatings on wood, Metal and plastic in interiors and outside All decorative coatings (1K and 2K systems) including primers/adhesion promoters and wood stains: steel beams, sheet steel doors, interior doors, door frames, stair railings, heating pipes, wooden structural elements (beams, posts, rails, purlins, etc.), wooden cladding, facade cladding, etc. *excluding floor coverings*	**Requirements are met:** The factory-applied powder-coated metal components are free of lead, cadmium, and chromium VI. Connections.

ANF2-WG1/NW1 Sustainable material extraction

Not relevant for consideration.

BNB - Sustainable Building Assessment System 2015/2017

1.1.6 Risks to the local environment

This fulfills the requirements of quality levels 1-5 in the BNB system 2015/2017 criterion " *risks to the local environment" .*

Rating result: Quality level 5

1. Cross-cutting requirements	Meeting BNB quality levels 1-5
Position 0 SVHC all construction products listed in Annex 1.	**The requirement for quality levels 1-5 is met:** Manufacturer information confirms that the SVHC content is > 0.1%.

4. Surface coatings on predominantly non-mineral surfaces (wood, metals, plastics)	Meeting BNB quality levels 1-5
Item 3a VOCs / hazardous substances / heavy metals (lead, cadmium, chromium VI) Coatings on non-mineral surfaces For indoor and outdoor use: metals, wood, plastics (not for floor coverings, see item 3b, not for hot-dip galvanizing).	**The requirement for quality levels 1-5 is met:** The factory-processed metal components contain no chromium VI compounds.

8. Metal sheets and (corrosion) protective coatings for metals, metal products	Meeting BNB quality levels 1-5
Item 27 Heavy metals (Chromium VI) Surface finishing Aluminium and stainless steel sheets and profiles for Surface coverings (facade, roof, windows, doors, gates, sun protection systems, etc.).	**The requirement for quality levels 1-5 is met:** The factory-applied and powder-coated metal components do not contain any chromium VI oxide-free passivating agents.

1.1.7 Sustainable material extraction / wood

Not relevant for consideration.

EU Taxonomy

EU Taxonomy Pollution Prevention (DNSH) Compliance Appendix C

The requirements according to the EU taxonomy regarding the ingredients have been met and confirmed.

Assessment result: Compliant with the EU Taxonomy

Criteria requirement	Compliance with EU Taxonomy Manufacturer's Declaration
a) Substances as such, 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 contaminants.	**Requirements are met:** No substances listed in Annexes I or II of Regulation (EU) 2019/1021 are present.
b) Mercury and mercury compounds, mixtures thereof and mercury-containing 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 of Regulation (EU) 1005/2009 are present.
d) Substances as such, 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 of Directive (EU) 2011/65.
e) Substances as such, 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 to Regulation (EU) 1907/2006.

(f) Substances, whether as such, in mixtures or in an article, in a concentration above 0.1% by weight (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 the 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 lead to the manufacture, presence in the final product or production or placing on the market of any other substances, whether as such, 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 categories referred to in Article 57 of Regulation (EC) No 1907/2006, unless the operators have assessed and documented that no other suitable alternative substances or technologies are available on the market and that 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

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

The requirements according to the EU taxonomy regarding emissions have been met and confirmed.

Assessment result: Compliant with the EU Taxonomy

Criteria requirement	Compliance with EU Taxonomy Manufacturer's Declaration
The product is confirmed to comply with the following emissions standards: ▪ less than **0.001 mg of other carcinogenic volatile organic compounds** of categories 1A and 1B per m³ in the test chamber when tested according to CEN/EN 16516 or ISO 16000-3 or another equivalent standardized test conditions and methods of determination. An emissions test report can be provided upon request.	**Requirements are met:** Factory powder-coated steel components are not subject to the requirements of this criterion.
The product is confirmed to comply with the following emissions standards: ▪ 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:** Factory powder-coated steel components are not subject to the requirements of this criterion.

LEED v4 and v4.1

LEED Credit - Low-Emitting Materials

The product helps to meet the requirements of LEED v4 & v4.1 *Credit Low- Emitting Materials .*

Assessment result: LEED Credit met

Criteria requirement	LEED compliance manufacturer declaration
wall panels At least 75% of all wall panels, measured by cost or area, meet the criteria for VOC emission assessment OR the criteria for inherently non-emitting sources OR the criteria for recovered and reused materials. The product category wall panels includes all wall coverings, plaster or curtain walls, slat walls for retail, moldings, interior and exterior doors, non-structural wall frames, interior and exterior windows, window treatments, worktops, laminate/veneer for fitted wardrobes.	**Requirements are met:** Factory powder-coated steel components are not subject to the requirements of this criterion.

LEED Credit - Environmental Product Declarations

The product helps meet the requirements for LEED v4 & v4.1 *Credit* Environmental Product Declarations to be fulfilled.

Criteria requirement	LEED compliance manufacturer declaration
Option 1. **Environmental Product Declaration (EPD)**	**Requirements are met:** An EPD (Environmental Product Declaration) 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 compliant

Emission limits according to Product category	BREEAM Hea 02 compliance
Paints and varnishes for interiors Formaldehyde ≤ 0.06 mg/m³ Total volatile organic compounds (TVOC) ≤ 1.0 mg/m³ Carcinogenic substances of categories 1A and 1B ≤ 0.001 mg/m³	**Exam requirements met:** Factory powder-coated steel components are not subject to the requirements of this criterion.

Mat 03 Responsible Material Procurement - Responsible Procurement of Construction Products & Basic Requirements

Not relevant for consideration.

Legal Notice

Manufacturer contact details

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Usage note

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