Product Verification

Sustainability

■ Product Systems

Multifunction-door made of steel

Novoferm Riexinger Türenwerke GmbH

The multifunction- doors (fire protection doors, smoke protection doors, multi-purpose doors and security doors) made of steel with frames are galvanized and primed by powder coating.

Building Material Scout

Product Assessment

Environmental Quality (ENV)

Criteria	Product Verification
ENV 1.2 Local environmental impact (Updated on: 10.09.2020)	Quality level 4 of 4
ENV1.3.1 Responsibly sourced 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:

- Achieved quality level in DGNB 2018 Criteria ENV 1.2 Local environmental impact for the entire product: Quality level 4 of 4

Building Material Scout

■ Ecolabels & Product-Assessments

ISO 14001 - Environmental
Management System

ISO 9001 - Quality Management
System

■ Product Properties

Ingredients:

Recycled content post-consumer:	0 wt%
Recycled content pre-consumer:	0 wt%

Manufacturer:

Environmental Management System according ISO 14001:	Yes

■ Product Components

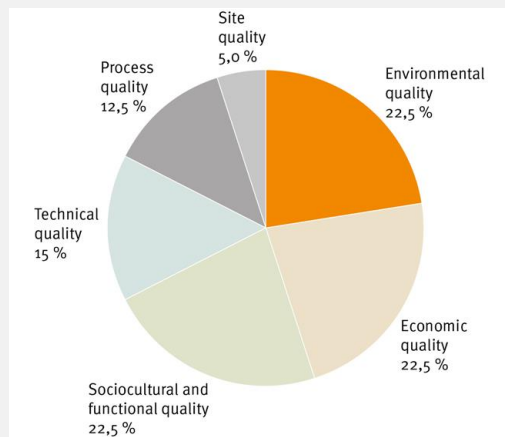| Name	Amount	Material type / Function	DfD	Total Weight	Specific Weight	Portion (%)
Mineral wool	0.300		No	0.300	1 kg / kg	30.00 %
Gypsum panels	0.385		No	0.385	1 kg / kg	38.50 %
Galvanized steel	0.310		No	0.310	1 kg / kg	31.00 %
Powder coating	0.005		No	0.005	1 kg / kg	0.50 %

Building Material Scout

■ 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

Pie chart:
- Site quality 5,0 %
- Process quality 12,5 %
- Environmental quality 22,5 %
- Technical quality 15 %
- Economic quality 22,5 %
- Sociocultural and functional quality 22,5 %

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

■ Environmental Quality (ENV)

■ ENV 1.2 Local environmental impact (Updated on: 10.09.2020)

Achieved quality level in DGNB 2018 Criteria ENV 1.2 Local environmental impact for the entire product:

Multifunction-door made of steel	Quality level 4 of 4

Achieved quality level in DGNB 2018 Criterion ENV 1.2 Local environmental impact:

Multifunction-door made of steel	Quality level 4
Mineral wool	Quality level 4
Gypsum panels	Quality level 4
Galvanized steel	Quality level 4
Powder coating	Quality level 4

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:

Multifunction-door made of steel	Quality level 4

Achieved quality level in DGNB 2018 ENV 1.2 Row 19:

Multifunction-door made of steel	No Information
Mineral wool	No Information
Gypsum panels	No Information
Galvanized steel	No Information
Powder coating	Quality level 4

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):

Multifunction-door made of steel	No
Mineral wool	No
Gypsum panels	No
Galvanized steel	No Information
Powder coating	Yes

Water soluble products in accordance with the current Decopaint Directive:

Multifunction-door made of steel	No Information
Mineral wool	No Information
Gypsum panels	No Information
Galvanized steel	No Information
Powder coating	No

The product is a metallic effect lacquers:

Multifunction-door made of steel	No Information
Mineral wool	No Information
Gypsum panels	No Information
Galvanized steel	No Information
Powder coating	No

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

Multifunction-door made of steel	No Information
Mineral wool	No Information
Gypsum panels	No Information
Galvanized steel	No Information
Powder coating	Yes

VOC content:

Multifunction-door made of steel	No Information
Mineral wool	No Information
Gypsum panels	No Information
Galvanized steel	No Information
Powder coating	≤ 0 g/l

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:

Multifunction-door made of steel	Quality level 4

Achieved quality level in DGNB 2018 ENV 1.2 Row 33:

Multifunction-door made of steel	No Information
Mineral wool	No Information
Gypsum panels	No Information
Galvanized steel	No Information
Powder coating	Quality level 4

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

Multifunction-door made of steel	No
Mineral wool	No
Gypsum panels	No
Galvanized steel	No
Powder coating	Yes

Free of lead:

Multifunction-door made of steel	No Information
Mineral wool	No Information
Gypsum panels	No Information
Galvanized steel	No Information
Powder coating	Yes

Free of cadmium:

Multifunction-door made of steel	No Information
Mineral wool	No Information
Gypsum panels	No Information
Galvanized steel	No Information
Powder coating	Yes

Free of chromium-VI compounds:

Multifunction-door made of steel	No Information
Mineral wool	No Information
Gypsum panels	No Information
Galvanized steel	No Information
Powder coating	Yes

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:

Multifunction-door made of steel	4

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:

Multifunction-door made of steel	Quality level 4
Mineral wool	Quality level 4
Gypsum panels	Quality level 4
Galvanized steel	Quality level 4
Powder coating	No Information

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:

Multifunction-door made of steel	Yes
Mineral wool	Yes
Gypsum panels	Yes
Galvanized steel	Yes
Powder coating	No

■ ENV1.3.1 Responsibly sourced raw materials

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

Multifunction-door made of steel	N/A

▪ 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.