

Note on English translation / Hinweise zur englischen Fassung

This is a translation of the product data sheet valid in Germany.

All stated details and properties are in compliance with the regulations of the German standards and building regulations. They are only applicable for the specified products, system components, application rules, and construction details in connection with the specifications of the respective certificates and approvals.

Knauf Gips KG denies any liability for applications outside of Germany as this requires changes acc. to the respective national standards and building regulations.

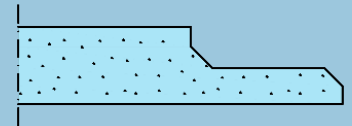


Drywall Systems

K851.de

Product Data Sheet

2023-01



Brio

Gypsum fibre boards for premium pre-fab floor screed

Product description

Homogeneous gypsum fibre boards in thicknesses of 18 mm and 23 mm, and a format of 600 x 1200 mm with a milled 35 mm wide rebated edge.

- Board type
EN 15283-2

GF-W1

Storage

Store boards on board pallets in a dry environment.

Quality

In compliance with EN 15283-2, the product is subject to initial type testing and continuous factory production control and bears the CE marking.

Properties and added value

- Low structure height
- Low weight
- Enhanced sound and fire protection
- Monolithic gypsum fibre element
- Robust rebated edge
- Resistant to castors of chairs
- Sophisticated haptic qualities
- Quick and easy to lay
- No waiting times for drying
- Loadable and ready for coverage after 24 h

Gypsum fibre boards for premium pre-fab floor screed

Field of application

As a pre-fab floor screed in new construction projects and remodelling of existing buildings, for construction sites with tight deadlines, for enhancement of the fire resistance and sound insulation. Also for use in areas of high humidity, e.g. in barrier free domestic bathrooms. Also suitable for large format tiles and underfloor heating systems.

Application

Application should be undertaken in accordance to the applicable standards and acc. to the system data sheet Knauf Pre-Fab Floor Screed Systems F12.de.

If enhanced loads are planned for pre-fab floor screed with Brio, the performance of the Brio with respect to load carrying capacity in conjunction with Vidiwall 1Mann or a 2nd layer of Brio can be increased significantly.

You can find further information in the following documents

- Technical Brochure [Vidiwall 1Mann K811U-B.de](#)
- Product data sheet [Vidiwall 1Mann K811U.de](#)
- Brochure [Pre-fab Floor Screed with Sound Insulation Power – Knauf Brio F12LD.de](#)

Technical data

Description	Standard	Unit	Brio 18	Brio 23
Board type European	EN 15283-2	–	GF-W1	GF-W1
Board weight (nominal)	EN 15283-2	kg/m ²	Approx. 22.3	Approx. 28.5
Bending tensile strength	EN 15283-2	N/mm ²	≥ 5.0	≥ 5.0
Reaction to fire	EN 13501-1	Class	A2-s1, d0	A2-s1, d0
Water vapour diffusion resistance μ	EN ISO 10456	–	10/4	10/4
Thermal conductivity λ	EN ISO 10456	W/(m·K)	0.25	0.25
Max. limit for long term temperature exposure	–	°C	≤ 50	≤ 50

Product range

Description	Width	Length	Thickness	Edges	Packaging unit	Material number	EAN
Brio 18	600 mm	1200 mm	18 mm	Rebated edge	70 pieces / pallet 50.4 m ² / pallet	00082667	4003982192349
Brio 23	600 mm	1200 mm	23 mm	Rebated edge	50 pieces / pallet 36 m ² / pallet	00082670	4003982192400

Sustainability and environment

Short description	Unit	Value
Requirements of the German AgBB-scheme	–	fulfilled
Complies with the requirements of the French emission class	–	A+
Certificates	–	IBR
Requirements LEED (v4.1 BETA outside USA)	–	fulfilled
Environmental product declaration	–	EPD-BVG-KNG-20140073-IAG1-DE

**Observe safety data sheet!**

For safety data sheets and CE marking see
pd.knauf.de



Videos for Knauf systems and products can be found under the following link:
youtube.com/knauf



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Technical Advisory Service:

▶ knauf-direkt@knauf.com

▶ www.knauf.de

Knauf Gips KG Am Bahnhof 7, 97346 Iphofen, Germany

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