

Note on English translation / Hinweise zur englischen Fassung

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

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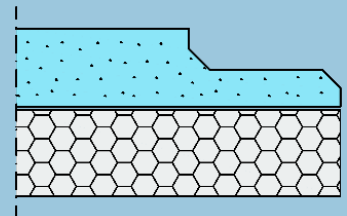


Drywall Systems

K853.de

Product Data Sheet

2023-04



Brio EPS

Gypsum fibre boards with laminated polystyrene insulation

Product description

Homogeneous gypsum fibre boards with laminated 20 mm EPS DEO 040, format of 600 x 1200 mm with a milled 35 mm wide rebated edge, unit thickness Brio 18 EPS in 38 mm.

- Board type
EN 14190

Storage

Store boards on board pallets in a dry environment.

Quality

In compliance with EN 14190, 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
- Composite unit saves a work step
- Enhanced thermal insulation and fire protection
- Monolithic gypsum fibre element
- Robust rebated edge
- Sophisticated haptic qualities
- Fast, easy to lay
- Loadable after 24 h

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 thermal insulation. Also in areas of high humidity, e.g. in barrier free domestic bathrooms.

Gypsum fibre boards with laminated polystyrene insulation

Application

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 can be increased significantly.

You can find further information in the following documents

- Product data sheet [Vidiwall 1Mann K811U.de](#)
- Brochure [Pre-fab Floor Screed with Sound Insulation Power – Knauf Brio F12LD.de](#)
- Technical brochure [Knauf Pre-fab Floor Screed F12.de](#).

Technical data

Description	Standard	Unit	Brio EPS 18
Board type European	EN 14190	–	h
Reaction to fire	EN 14190	Class	E (C.4)
Thermal conductivity λ	EN ISO 6946 / EN ISO 10456	W/(m·K)	0.07
Board weight	EN 14190	kg/m ²	23.1
Long term temperature exposure (max. limit)	–	°C	≤ 50
Water vapour resistance factor μ dry	EN ISO 10456	–	42
Water vapour resistance factor μ wet	EN ISO 10456	–	18
Bending tensile strength	EN 14190	–	passed

Order information

Description	Width	Length	Thick-ness	Edges	Delivery weight	Packaging unit	Material number	EAN
Brio 18 EPS	600 mm	1200 mm	38 mm	Rebated edge	approx. 22.4 kg/m ²	40 pieces / pallet 28.8 m ² / pallet	00082668	4003982192363

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
LEED requirements	–	fulfilled
Environmental product declaration	–	EPD-BVG-KNG-20140073-IAG1-DE



Observe the 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](https://www.youtube.com/knauf)



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