

KNAUF DRYWALL



Dry Flooring

Jan 2008

Brio Dry Floor Screed System

Get smart about underlayments

Knauf Brio is the perfect underlayment for a perfect floor - in new buildings and refurbishment, in residential buildings and offices.

Produced with Knauf state-of-the-art gypsum fibre technology. A single layer, precision engineered unit, Brio provides real benefits over traditional wet screeds and timber dry decks. Better stability, better dimensional accuracy, and higher quality.

That's exactly what Knauf Brio stands for.



Knauf Brio provides a perfect underlayment for modern floor coverings

Brio: Narrow construction, low weight, rapid application.

For over 70 years, architects, specifiers, professional installers and contractors worldwide have trusted the Knauf brand to perform.

Brio, the new Dry Screed Board System for floor constructions, is the latest addition to the Knauf Product Portfolio.

Amazingly light and narrow, Brio provides a tough, strong, durable flat surface.

Brio is equipped with a precision engineered Smart Tier edge, making it easy to install. Just glue the edges and screw them down and you're done. Brio can take high loads and yet retain its elasticity.

A highly efficient heat conductor, Brio is perfect for use with underfloor heating.



Knauf Brio is the ideal pre-fab screed for refurbishing and in new buildings

Knauf Brio.

What's so special about it?

▪ Site-proven Screed

Knauf Brio screed withstands high mechanical stress and yet retains its premium impact strength. Bowing is simply not an issue.

Rough handling during installation? No problem for Brio.

▪ Rapid-application Screed

No long periods of drying for Knauf Brio.

Traffic can be taken immediately once the glue has hardened .

▪ Thin Screed

Brio starts at just 18mm thick. Fully sufficient to provide superb impact properties.

Refurbishing? Every millimetre counts. Make Brio your first choice with its low installation thickness.

▪ Lightweight Screed

Brio is a real lightweight champion. It's ideal for refurbishment, and compared to wet screed the weight saving can have a major impact on the structural requirements for towers.

▪ Non-combustible Screed

Brio is non-combustible.

Classified as Building Material Class A1.

▪ Silent Screed

Brio WF incorporates a layer of sound absorbing wood fibre. Ideal for constructions with demanding footfall insulation requirements.

▪ Underfloor Heating Screed

Brio's high thermal conductivity properties make it extremely efficient when used with underfloor heating and cooling systems.

▪ Handy Screed

Brio is easy to install and transport, and requires no special skills for a perfect job.



For solid and precise joints: Brio's Smart Tier edge



Applying Brio Joint Adhesive to the edge



Laying Brio is quick and easy



The glued boards are quickly screwed together

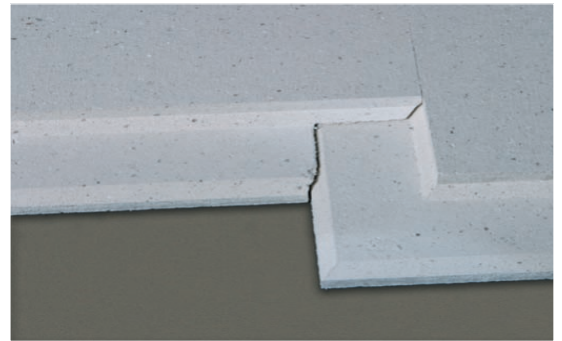
Knauf Brio

Precision engineered performance.

Whether your priorities are for narrow installation, thermal efficiency, impact strength or low sound transmission.

Brio 18 and Brio 23

- Thickness as standard series: 18mm
- Thickness as reinforced series: 23mm (recommended with underfloor heating)
- High mechanical load resistance



Brio 18 WF and Brio 23 WF

- Total thickness: 28mm
- Total thickness as reinforced series: 33mm
- With laminated insulation layer made of wood fiber (WF); thickness: 10 mm
- High mechanical load resistance
- Provides ideal footfall sound insulation



Technical Data			Thermal transmission coefficient $m^2 K/W$	Vapor diffusion equivalent to air thickness s_d value m	Article Number	Packaged units/ pallets
Dimensions Unit or Board mm	Total thickness D mm	Weight Unit or Board approx. kg/m ²				

F126 Knauf Brio Units installation dimensions: 600/1200 mm

		Brio 18	18 Gypsum fiberboard	18	22	0.05 - 0.06	0.31	00082667	70 pcs./pallet
		Brio 23	23 Gypsum fiberboard	23	28	0.06 - 0.08	0.39	00082670	50 pcs./pallet

F127 Knauf Brio Composite Units installation: 600/1200 mm

		Brio 18 WF	18 Gypsum fiberboard + 28 WF (wood fiber)	10	24	0.23	0.36	00082669	50 pcs./pallet
		Brio 23 WF	23 Gypsum fiberboard + 33 WF (wood fiber)	10	30	0.24	0.44	00082671	40 pcs./pallet

Brio: Perfect for underfloor heating

Knauf Brio dry screed boards are almost thermally transparent, making them incredibly efficient when used with underfloor heating systems. Changes in temperature are realised almost immediately as you do not have to wait for a large mass of cement to warm up. Brio makes it easy to realise a comfortable environment.

Perfect for underfloor cooling too

Brio's exceptional thermal transmission properties mean it can even facilitate the use of underfloor cooling systems. No more dry, draughty, noisy air conditioning!



Now you can include underfloor heating in refurbishments without compromise.

Brio's light weight means little extra load on the existing structure, and a maximum thickness of just 23mm means you can install a high efficiency underfloor heating system for a total loss in room height of just 50mm. That's a real leap forward.

Knauf Brio accessories

If you're installing Brio, we provide a comprehensive range of accessories, from joint adhesive to levellers, to ensure your project is a complete success.

Knauf Brio Joint Adhesive

For the gluing of precision engineered edges of Brio boards.

Knauf Brio Joint Adhesive is always required when installing Brio Dry Screed boards.

Material requirement: approx 40 g/m²



Knauf Brio Screws

Used to ensure the correct adhesion of Brio boards until the glue has hardened. Knauf Brio Screws are always required when installing Brio Dry Screed Boards.

Available lengths: 17mm and 22mm



Knauf Brio Surface Glue

For gluing the entire area when a double layer of Brio boards is installed.

Material requirement: approx 600 g/m²



Knauf Edge Strip

100 mm wide edge strip made of mineral wool used for the perimeter of the room.

Material requirement: approx. 0.8 m/m²



Knauf PA Dry Bulk Leveller

For levelling of uneven substrates.

Minimum thickness of leveller: 20mm.

Material requirement: approx 10l of PA Dry Bulk Leveller per 10mm thickness/m²



Knauf Leveller 415 for calcium sulphate substrates

Factory-blended dry mortar made of gypsum, synthetics and mineral fillers. For layer thickness up to 15mm.

Material requirement: approx 1.6 kg per 1 mm thickness and m².

For levelling of substrates.

Can be used as a full skim coat on the entire surface of the dry screed.



Knauf Leveller 315 for cement substrates

For levelling of substrates. Made of special gypsum and tempered with synthetics for application on cement sub-strates.

Low thickness, but high strength properties.

For layer thickness up to 10mm.



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