



Knauf Brio

Knauf Brio is a dry screed flooring panel made from gypsum fibre, available in two thicknesses. Quick and easy to install, with lapped edges to be glued and screwed, to form a monolithic layer floating fully supported on levelled substrate. Ready for a wide range of finishes including laminate flooring, vinyl and ceramics, without the need for a decoupling layer.

Product-Data-Sheet



Areas of Application

Ideal for application over underfloor heating or acoustic layer, onto a solid substrate, levelled, as a floating construction.

Compliance Standards

EN 15283-2:2008+A1:2009

Key Benefits

- Quick and easy to install.
- Thermal Conductivity rating of 0.28 (W/mK), ideal for underfloor heating.
- Fast system install compared to traditional methods, ready for foot traffic in 12 hours, ready for covering in 24 hours (depending on the use of levelling compound).
- No water or cement required to be added to the build.
- Precision-engineered lapped edges to ensure boards butt to each other perfectly.
- Minimal height build-up.
- No decoupling layer needed.

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Build on us.

Performance Data

Reaction to Fire (R2F)	Tested Thermal Conductivity (W/mK) (EN 12664:2001)	Water Vapour Resistance (μ) (Dry/Wet) (EN10456)	Flexural Strength (F)	Density (kg/m ³)	Dangerous Substances (DS)	Impact Resistance ($\rightarrow$ I)	Acoustic Absorption	Shear Strength per Fastener ($\downarrow\uparrow$)
A2-s1, d0	0.28	10/4	Pass	1100	NPD	NPD	NPD	NPD

Note: NPD = No performance determined, no claim is made for this characteristic

Internal Data

Properties	Value	Units
Dimensional tolerance width	+2.0 / -0.5	mm
Dimensional tolerance length	+2.0 / -0.5	mm
Dimensional tolerance thickness	+0.5 / -0.5	mm
Surface hardness (Brinell)	≥ 20	N/mm ²
Adhesive tensile strength	≥ 0.5	N/mm ²
Flexural tensile strength	≥ 5.0	N/mm ²
Specific heat capacity	> 1000	J/(kg·K)
Coefficient of thermal expansion (α)	12.9·10 ⁻⁶	(1/K)
Change in length with temperature change	≤ 0.02	mm/(m·K)
Change in length with change in relative humidity by 30% at 20°C	≤ 0.3	mm/m
Hydrothermal conditions of installation (stationary)	+10 °C to +35 °C approx. 45 – 75 % RH	-
Hydrothermal conditions of use (stationary)	+1 °C to +35 °C approx. 45 – 75 % RH	-
Water vapour diffusion resistance coefficient (μ)	10/4	-
Water absorption capacity surface (g/m ²)	< 300	g/m ²

Technical Information

Dimensions & Weights						
Thickness (mm)	Width (mm)	Length (mm)	Edge Profile	Colour	Weight (kg/m ²)	Material Number
18	600	1200	Lapped	Beige/Grey	22.3	82667
23	600	1200	Lapped	Beige/Grey	28.5	82670

Sustainability

Recycled Content

16%

2023 average by mass, recycled paper

Recyclability

The product can be fully recycled, make sure it has no or minimal contamination from non-gypsum based materials as this will affect its recyclability.

Substances of very high Concern (SVHC)

At the time of publication, under REACH UK and REACH EU regulations this product contains no SVHC. For more information please consult the Safety Data Sheet.

Volatile Organic Compound Content (VOC)

- Indoor Air Comfort Gold certified

Storage and Handling

No special education is required for safe handling. Store flat, and dry avoiding damp conditions. Temperatures for installation to be +10 °C to +35 °C, approximately 45 – 75 % relative humidity.

Packaging

Packaged on a wooden pallet, with cardboard side protectors and plastic shrink wrapping.

Service Life

50 years.

Disposal & Repair

Disposal should be in accordance with local authority requirements. European waste catalogue-code: 17 08 02 Gypsum based construction materials other than those mentioned in 17 08 01. Empty packaging thoroughly, these may be recycled after cleaning.

Health & Safety

When handling and lifting, be cautious of the panel weight. When cutting, use appropriate dust mask if dust develops and dust extraction equipment.

Application / Installation

Brio has a lapped edge which a suitable adhesive (such as GIFAbond blue flooring joint adhesive) is applied to, as well as using Brio screws to secure while the glue sets. Due to the varied application of Brio please refer to our videos and guides on our website for full application instructions. Use of a PCD blade is recommended when cutting the panels.

Additional Documentation

[Declaration of Performance UKCA](#)
[Declaration of Performance CE](#)

Certification

[Environmental Product Declaration](#)

Product Accreditations:



Knauf UK GmbH Company Accreditations:



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