



Dry floor screed panels

Environmentally friendly

Impressive acoustic performance

Easy to install

High recycled content

Knauf Brio Flooring Systems

Improved acoustic performance and underfloor heating efficiency



Brio is a dry floor screed with exceptional performance benefits

Knauf Brio is an engineered gypsum flooring panel with 60% recycled content, specially developed for use in new or refurbished residential and commercial buildings. It's a strong, lightweight and quickly-installed dry screed system.

Knauf Brio does not require additional specialist trades on site; installation is well within the capabilities of a competent tradesperson. Brio is manufactured with precision, so that boards fit together smoothly and quickly.

Once installed, Knauf Brio creates a robust monolithic floor with a high density of 1100Kg/m³, and so reduces impact and airborne sound transmission.

Knauf Brio also has a very high thermal conductivity so underfloor heating response times are quicker and energy use is reduced. With a wholly dry installation process, Brio maximises on-site efficiency too.

KEY FACTS

Gypsum fibre dry floor screed panel

Excellent thermal conductivity

Dimensionally stable

Ideal over underfloor heating

High density provides excellent acoustic performance

Strong and exceptionally well engineered

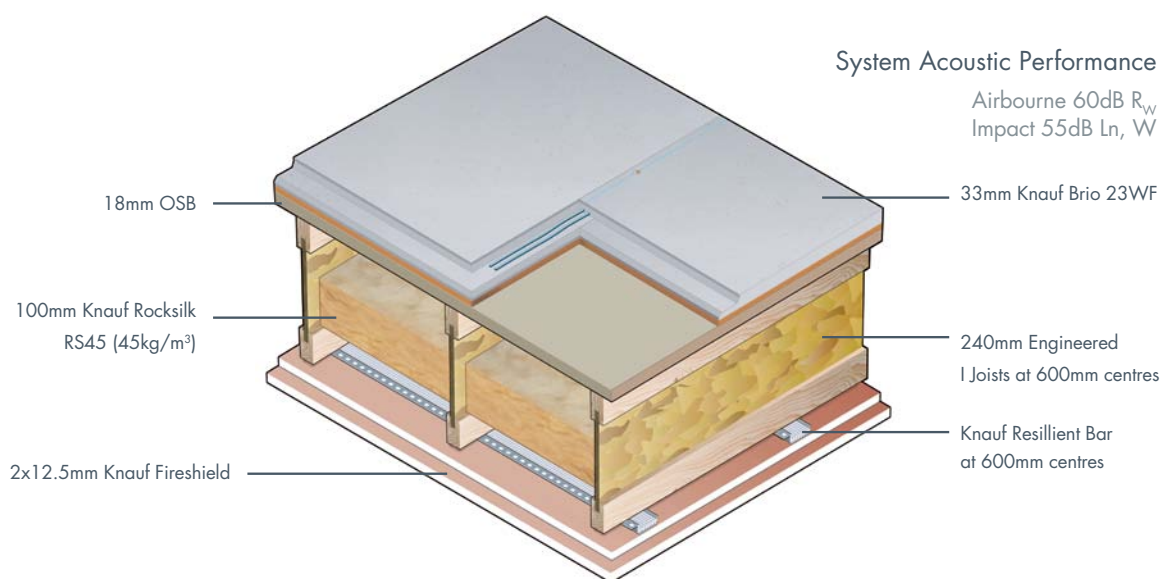
High recycled content

Brio reduces noise underfoot

Knauf Brio is a high-density gypsum fibreboard that helps reduce airborne noise to meet acoustic requirements whilst minimising floor build-up heights. Simple constructions, using no additional specialist trades, can easily meet Approved Document E of the Building Regulations. In fact Knauf Brio has helped the achievement of BREEAM Outstanding ratings thanks to acoustic results well in excess of Approved Document E and reduced water use on site.

The panels are also available as Knauf Brio WF with an additional laminated wood-fibre layer. In refurbishment projects, over uneven timber plank or old screed floors, Knauf Brio WF gives impact noise reduction as well as limiting airborne noise, whilst minimising additional build up height, as demonstrated in the system below.

Combine excellent acoustics with a solid high quality floor surface



Knauf Brio Components

Knauf Brio Dry Screed Panels

	Thickness	Width	Length	Article No
Brio 18	18mm	600mm	1200mm	000 82 667
Brio 23	23mm	600mm	1200mm	000 82 670

Knauf WF Brio Dry Screed Panels

	Thickness	Width	Length	Article No
Brio 18WF	28mm	600mm	1200mm	000 82 669
Brio 23WF	33mm	600mm	1200mm	000 82 671

Knauf Brio Screws

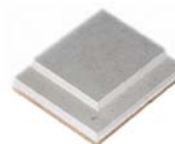
	Length	Diameter	Article No
Brio 18 Screws	17mm	4.2mm	000 67 067
Brio 23 Screws	22mm	4.2mm	000 67 068

Knauf Brio Joint Adhesive

	Kg	Article No
Joint Adhesive	0.8	000 88 533

Knauf Flooring Edge Strip

	Length	Height	Width	Article No
Flooring Edge Strip	1200mm	100mm	10mm	001 08 502



Knauf Brio Systems



Knauf have a comprehensive range of solutions, using Knauf Brio and Knauf Brio WF, to meet a variety of acoustic and underfloor heating performance requirements. The table below shows a selection of solutions available, if you require any further assistance with your specification please contact Knauf Technical Services on 01795 416 259 or technical@knauf.co.uk.

KEY

Reduces airborne and impact sound

Ideal for underfloor heating

Board type	Knauf Brio 18WF	Knauf Brio 18WF	Knauf Brio 23	Knauf Brio 18WF	Knauf Brio 18WF	Knauf Brio 23	Knauf Brio 23
System description	18mm Dry Floor Screed Panel with a 10mm wood-fibre resilient layer laid directly onto deck	18mm Dry Floor Screed Panel with a 10mm wood-fibre resilient layer laid over 50mm EPS70 Polystyrene insulation	23mm Dry Floor Screed Panel laid over underfloor heating on a timber floor	18mm Dry Floor Screed Panel with a 10mm wood-fibre resilient layer laid directly onto substrate	18mm Dry Floor Screed Panel with a 10mm wood-fibre resilient layer laid over 50mm EPS70 Polystyrene insulation	23mm Dry Floor Screed Panel laid over underfloor heating on a concrete floor	23mm Dry Floor Screed Panel laid over 25mm Earthwool Acoustic Floor Slab Plus
Edge profile							
System acoustic data	Airborne 60dB R _w Impact 58dB L _{n,w}	Airborne 61dB R _w Impact 55dB L _{n,w}	Airborne 61dB R _w Impact 55dB L _{n,w}	Airborne 59dB R _w Impact 55dB L _{n,w}	Airborne 60dB R _w Impact 51dB L _{n,w}	Airborne 58dB R _w Impact 55dB L _{n,w}	Airborne 60dB R _w Impact 47dB L _{n,w}
Board fire performance	90 mins*	90 mins*	60 mins*	90 mins*	90 mins*	60 mins*	60 mins*
Loading data	Point loading 2kN Area loading 3kN/m ²	Point loading 2kN Area loading 3kN/m ²	Point loading 3kN Area loading 3kN/m ²	Point loading 2kN Area loading 3kN/m ²	Point loading 2kN Area loading 3kN/m ²	Point loading 3kN Area loading 3kN/m ²	Point loading 3kN Area loading 3kN/m ²
Board thermal conductivity	n/a	n/a	0.38W/mK	n/a	n/a	0.38W/mK	n/a
Board thermal resistance	0.23m ² K/W	0.23m ² K/W	0.08m ² K/W	0.23m ² K/W	0.23m ² K/W	0.08m ² K/W	0.08m ² K/W

The above acoustic performance data is taken from test reports carried out at the Sound Research Laboratories, Sudbury. The tests were in accordance with BS EN ISO – 717-1:1997 and BS EN ISO 717-2:1997. The laboratory performances stated are specific to the above system only, inclusive of all elements shown and correct installation. They should be used for guidance only.

*All fire performance data & building material classes are to EN 13501-1. For fire performance from below please contact Knauf Technical Services on 01795 416 259.

All loading data is tested in accordance with DIN 1055-3.



Customer Service

UK Freephone: 0800 521 050
UK Freefax: 0800 521 205
Eire Tel: 01 4620739
Eire Fax: 01 4620745
Email: cservice@knauf.co.uk

Technical Service

UK Tel: 01795 416 259
Eire Tel: 01 4620739
Email: technical@knauf.co.uk

Literature

UK Tel: 08700 613 700
Eire Tel: +44 8700 613 700

Website

www.knauf.co.uk
www.knauf.ie

Knauf
Kemsley Fields Business Park
Sittingbourne
Kent ME9 8SR

Knauf
87 Broomhill Road
Tallaght
Dublin 24

Knauf Factory Locations

Ridham Dock
Sittingbourne
Kent

Queens Road
Immingham
N.E. Lincolnshire

