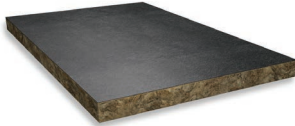


SOUND-TEK BD 809 VBD



December 2019

APPLICATION RANGE



DESCRIPTION

Sound-teK BD is a sound insulating mineral wool board with formaldehyde-free binder and glass fleece lamination on both sides. It is available in various colours.

TECHNICAL DATA

Maximum service temperature	250 °C
Service temperature lamination	80 °C
Reaction to fire	A1
Density	ca. 90 kg/m ³ (EN 1602)
Declaration of performance	http://dopki.com/R4305LP

Description	Sign	Description/data	Unit	Norm	
Thermal conductivity depending on temperature	ϑ	10	40	°C	EN 12667
	λ	0.035	0.038	W/(mK)	
Water soluble chloride ions (AS quality)	-	≤ 10	ppm	EN 13468	
Water absorption	W_p	≤ 1	kg/m ²	EN 1609	
Water vapour diffusion resistance	μ	1	-	EN 13162	
Silicone free	-	No emissions by lacquering disturbing substances	-	-	
Melting point of fibres	ϑ	≥ 1000	°C	DIN 4102-17	
Longitudinal air flow resistance	r	≥ 25	kPa*s/m ²	-	
Compressive strength	σ_m	-	-	EN 826	
Specific heat capacity	c_p	1030	J(kg/K)	EN ISO 10456	
Rated sound absorption coefficient (NRC)	-	-	-	ASTM C423	
Designation code	-	-	-	EN 13162	

Declared material properties are obtained in the production process and ensured by the factory production control in accordance with the European Standard at the time of manufacture. Observing storage and handling guidelines will maintain performance within published tolerances.

CERTIFICATE



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ADDITIONAL INFORMATION

Application

Sound absorptions, Rectangular air ducts

The product is recommended for thermal, fire and sound insulation of the defined applications within technical insulation.

Handling

Knauf Insulation products are easy to handle and easy to install. They are supplied in suitable packaging materials to balance necessary transport protection with sustainable recycling options. Packaging is not designed for long-term storage or exposure to harsh weather conditions. Further product information is mentioned on every pack.

Storage

For longer term protection on site it is recommended to store the product indoors or alternatively under a roof and without direct contact to the ground (keep palletised).

Standard format:*

Thickness	40 - 250 mm
Width	600 mm
Length	1000 mm

* Other dimensions on request



Knauf Insulation mineral wool products with ECOSE® Technology benefit from a formaldehyde-free binder made from rapidly renewable bio-based materials instead of petroleum-based chemicals. The technology has been developed for Knauf Insulation's mineral wool products, enhancing their environmental credentials without affecting the thermal, acoustic or fire performance. Insulation products made with ECOSE® Technology contain no dye or artificial colours – the colour is completely natural.

ISO STANDARDS

Knauf Insulation products are produced according to four of the most important International Management Standards for sustainability ISO 9001 (Quality Management), ISO 14001 (Environmental Management), ISO 50001 (Energy Management) and OHSAS 18001 (Health and Safety Management), all certified by Tüv Nord.

Knauf Insulation d.o.o

Varaždinska 140
42220 Novi Marof
Croatia

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