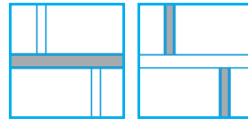


SEA-TEK® BD 180/ALU/VBS/VWS



November 2019

APPLICATION RANGE



DESCRIPTION

Sea-teK® BD 180 is a mineral wool insulation board which is optimised and certified for marine applications with excellent thermal and acoustic characteristics.

Product available with white and black glass veil or with aluminium facings.

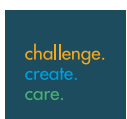
PERFORMANCE

Non-combustibility	IMO 2010 FTP Code Part 1
Density	ca. 180 kg/m ³ (EN 1602)
Maximum service temperature	700 °C (EN 14706)
Service temperature glass fleece	≤ 150 °C
Service temperature aluminium facing	≤ 80 °C

Description	Sign	Description/data	Unit	Standard
Thermal conductivity depending on temperature	ϑ	10	°C	EN 12667
	λ	0,039	W/(mK)	
Water soluble chloride ions (AS quality)	-	≤ 10	ppm	EN 13468
Short term water absorption	W _p	≤ 1	kg/m ²	EN 1609
Tensile strength	-	≥ 10	kPa	EN 1607
Silicone free	-	No emissions by lacquering disturbing substances	-	-
Melting point of fibres	ϑ	≥ 1000	°C	DIN 4102-17

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.

CERTIFICATES





ADDITIONAL INFORMATION

Application

The product is recommended for fire, thermal and sound insulation of the defined applications within marine segment as insulation of: cabin and panel constructions, ship equipment, doors and others.

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).

Note

Product is available with following facings: Veil Black (VBS) Veil White (VWS), Aluminium foil (ALU).

Standard formats*

Thickness	20 mm - 130 mm
Width	600 mm
Length	1000 / 1200 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

All rights reserved, including those of photomechanical reproduction and storage in electronic media. Commercial use of the processes and work presented in this document is not permitted. Extreme caution was taken in assembling the information, texts and illustrations in this document. Nevertheless, errors cannot be entirely ruled out. The publisher and editors assume no legal responsibility or any liability whatsoever for any incorrect information or any consequences thereof. The publisher and editors are grateful for any suggestions for improvement as well as the identification of any errors.