

POWER-TEK BD 778



January 2023



DESCRIPTION

PowerteK BD 778 is a rock mineral wool insulation board with high compressive strength and optimised for use on tank roofs, where walkability for maintenance purposes is also needed. For use on high-temperature tanks, the product also features excellent thermal conductivity values.

PERFORMANCE

Reaction to fire	A1 (EN 13501-1)
Density	ca. 170 kg/m ³ (EN ISO 29470)

APPLICATION

Defined Power-teK applications:

- Tank roofs

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

- **Higher compressive strength / walkability for maintenance purposes is required.**

BENEFITS

- ✓ High compressive strength / walkability for maintenance purposes
- ✓ Cut to correct dimensions based on customers' needs
- ✓ Easy to handle and install (puzzles)
- ✓ Installation without sub-structure
- ✓ Rigid, flat, stable form



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 ISO 45001 (Health and Safety Management), all certified by Tüv Nord.

CERTIFICATES



POWER-TEK BD 778



January 2023

SPECIFICATIONS

Description	Sign	Description/data	Unit	Standard
Thermal conductivity depending on temperature (10 °C)	λ	0,040	W/(mK)	EN 12667
Water absorption	W_p	$\leq 1,0$	kg/m ²	EN ISO 29767
Water vapour diffusion resistance	μ	1	-	EN 14503
Silicone free	-	No emissions of lacquering disturbing substances	-	-
Melting point of fibres	ϑ	≥ 1000	°C	DIN 4102-17
Longitudinal air flow resistance	r	≥ 50	kPa s/m ²	EN 29053
Specific heat capacity	c_p	1030	J/(kgK)	EN ISO 10456
Compressive strength	σ_{10}	≥ 80	kPa	EN ISO 29469
Designation code	-	MW-EN13162-TS-CS(10)80-WS1	-	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.

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 we recommend storing the product either indoors or alternatively under a roof cover and off the ground. If covered storage is not available, products can be stored outside (open-air-storage) if placed off the ground (keep palletized) and covered with plastic hood (foil), for a maximum of up to 6 months from the date of delivery. Outdoor storage is not recommended during particularly humid months with large fluctuations in temperature.

STANDARD FORMATS*

Thickness	30 mm
Width	1200 mm
Length	2400 mm

*Other dimensions on request.

Knauf Insulation d.o.o.

Trata 32, 4220 Škofja Loka, Slovenia | E-mail: ts@knaufinsulation.com

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.