

POWER-TEK BD 775



July 2021

APPLICATION RANGE



DESCRIPTION

Power-teK BD 775 is a mineral wool insulation board with high compressive strengths, so it is optimised for the use on tank roofs.

For use on high temperature tanks the product also features excellent thermal conductivity values

TECHNICAL DATA

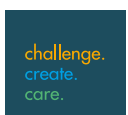
Maximum service temperature	450 °C (EN 14706)
Reaction to fire	A1 (EN 13501-1)
Density	ca. 150 kg/m ³ (EN 1602)
Declaration of performance*	http://dopki.com/T4238YP

*for detailed information on DoP please check the product label

Description	Sign	Description/data	Unit	Norm
Thermal conductivity	θ	50 100 150 200 300 400 450	°C	EN 12667
	λ	0.042 0.046 0.051 0.058 0.076 0.099 0.112	W/(mK)	
Water absorption	W _p	≤ 1,0	kg/m ²	EN ISO 29767
Water vapour diffusion resistance	μ	1	-	EN 14303
Silicone free	-	No emissions by lacquering disturbing substances	-	-
Melting point of fibres	θ	≥ 1000	°C	DIN 4102-17
Specific heat capacity	c _p	1030	J/(kgK)	EN ISO 10456
Compressive strength	σ ₀	≥ 50	kPa	EN 826
Designation code	-	MW-EN14303-TS-ST(+450-CS(10)S0-WS1	-	EN 14303

* AS Quality on demand
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

Roofs of containers, Boiler and tank systems, Thermally resistant constructions
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 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 dimensions*

Thickness	50 - 200 mm
Width	600 mm
Length	1000 mm

* Other dimensions on request.

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

Knauf Insulation d.o.o

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create.
care.