

POWER-TEK BD 775



December 2019

APPLICATION RANGE



DESCRIPTION

Power-teK BD is a mineral wool insulation board which is optimised for high temperatures, with excellent thermal conductivity values and high compressive strength.

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/T4309YP

Description	Sign	Description/data							Unit	Norm
Thermal conductivity	θ	50	100	150	200	300	400	450	°C	EN 12667
	λ	0.042	0.046	0.052	0.058	0.073	0.095	0.108	W/(mK)	
Water soluble chloride ions (AS quality)	-	≤ 10							ppm	EN 13468
Water absorption	W _p	≤ 1,0							kg/m ²	EN 1609
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
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	≥ 50							kPa	EN 826
Designation code	-	MW-EN14303-TS-ST(+)-450-CS(10)S0-WS1-CL10							-	EN 14303

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 it is recommended to store the product indoors or alternatively under a roof and without direct contact to the ground (keep palletised).

Standard dimensions*

Thickness	50 mm - 140 mm
Width	600 mm
Length	1000 mm

* Other dimensions on request. (maximum possible thickness 160 mm).

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

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