

POWER-TEK BD 550



January 2019

APPLICATION RANGE



DESCRIPTION

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

PERFORMANCE

Max. service temperature	550 °C (EN 14706)
Reaction to fire	A1 (EN 13501-1)
Nominal density	60 kg/m ³ (EN 1602)
Declaration of performance	http://dopki.com/T4208GP

Description	Sign	Description/data	Unit	Standard
Thermal conductivity depending on temperature	θ	50 100 200 300 400 500 550	°C	DIN EN 12667
	λ	0,040 0,0460 0,067 0,094 0,130 0,176 0,204	W/(mK)	
Total water absorption	W _p	≤ 10	kg/m ²	EN 1609
Water vapour diffusion resistance	μ	1	-	EN 12086
Silicone free	-	Produced without addition of silicone oil	-	-
Melting point of fibres	-	≥ 1000	°C	DIN 4102-17
Longitudinal air flow resistance	r	≥ 15,000	Pa·s/m ²	EN 29053
Specific heat capacity	c _p	1030	J/(kgK)	EN ISO 10456
Designation code	-	MW-EN 14303-T5-ST(+)-350-WS1	-	EN14303

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



POWER-TEK BD 550



January 2019

ADDITIONAL INFORMATION

Application

The product is recommended for thermal, fire and sound insulation of the defined applications within technical insulation.
Boilers and tanks, Machine insulation, Sound insulations, Thermally resistant constructions, Drying systems

Handling

Our products are easy to handle and easy to install. It is supplied packaged in cardboard boxes or wrapped in foil (depending on the product) which are designed for short term protection only. Further product information is mentioned on every pack.

Storage

For longer term protection on site, it is recommended to store the product either indoors or under a roof and off the ground.

Note

Also available with aluminium facing.

Standard formats*

Thickness	25, 30, 40, 50, 60, 75, 100 mm
Width	600 mm
Length	1200 mm

* Other dimensions on request.

Knauf Insulation Ltd

Chemistry Lane
CH5 2DB Flintshire
United Kingdom

All rights reserved, including those of photomechanical reproduction and storage in electronic media. Extreme caution was observed when putting together and processing the information, texts and illustrations in this document. Nevertheless, errors cannot quite be ruled out. The publisher and editors cannot assume legal responsibility or any liability whatever for incorrect information and the consequences thereof. The publisher and editors will be grateful for improvement suggestions and details of possible errors pointed out.