POWER-TEK PB 640 ALU

POWER-TEK

May 2022

APPLICATION RANGE

DESCRIPTION

Power-teK PB is a pre-assembled mineral wool pipe segment for use on pipelines and for multi-layer installations.

TECHNICAL DATA

Maximum service temperature	640 °C (EN 14706)
Service temperature aluminium facing	≤ 80 °C
Reaction to fire	A1 (EN 13501-1)
Density	ca. 80 kg/m³ (EN 1602)
Declaration of performance*	http://dopki.com/T4305VP

* for detailed information on DoP please check the product label

Description	Sign	Description/data						Unit	Norm
Thermal conductivity depending on mean temperature	ϑ	50	100	150	200	250	300	°C	EN ISO 8497
	λ	0.039	0.046	0.054	0.064	0.077	0.091	W/(mK)	
Water soluble chloride ions (AS quality)	–	≤ 10						ppm	EN 13468
Water absorption	W_P	≤ 1						kg/m²	EN 1609
Water vapour diffusion equivalent air layer thickness	s_d	≥ 200						m	EN 12086
Silicone free	–	No emissions by lacquering disturbing sustances						–	–
Melting point of fibres	ϑ	≥ 1000						°C	DIN 4102–17
Specific heat capacity	c_p	1030						J/(kgK)	EN ISO 10456
Designation code	–	MW–EN14303–T9–ST(+)640–WS1–MV2–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

CE   RAL GÜTEZEICHEN   EUCEB   INDOOR AIR COMFORT eurofins GOLD CERTIFIED PRODUCT   ≥ 1000 °C   challenge. create. care.

ADDITIONAL INFORMATION

Application

Pipe lines DN > 325 mm

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 formats*

Thickness	40 -120 mm
Diameter	356 - 1010 mm
Width	500/1000 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 ISO 45001 (Health and Safety Management), all certified by Tüv Nord.

Knauf Insulation d.o.o

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