www.knaufinsulation-ts.com

POWER-TEK PC 600

August 2023

DESCRIPTION

~~Power-teK PC 600 is a cut from block rock mineral wool pipe section,~~ ~~**slit on one side for easier installation,**~~ ~~with density 80 kg/m3 and~~ ~~**specially designed to be used on pipe lines, where DN > 300 mm.**~~

~~Knauf Insulation Power-teK PC 600 is produced with~~ ~~**ECOSE® Technology,**~~ ~~a patented binder system, based entirely on renewable raw materials.~~

PERFORMANCE

Max. service temperature	600 °C (EN ISO 18097)
Reaction to fire	A1 (EN 13501-1)
Density	80 kg/m³ (EN ISO 29470)
Declaration of performance*	http://dopki.com/T4305RPCPR

* for detailed information on DoP please check the product label

APPLICATION

~~Defined Power-teK applications:~~

- ~~pipe insulation~~

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

- ~~**where special sizes of pipe sections are needed**~~
- ~~**for pipe lines, where DN > 300 mm**~~

BENEFITS

- ✔ ~~Suitable for special sizes of pipes~~
- ✔ ~~Suitable for pipe lines with bigger diameters~~
- ✔ ~~High maximum service temperature~~
- ✔ ~~Multilayer installations possible~~
- ✔ ~~Easy and fast installation~~
- ✔ ~~Adapts to the unevenness of pipes~~
- ✔ ~~ECOSE® Technology~~

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:

challenge.
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KNAUF INSULATION Technical Solutions

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SPECIFICATIONS

Description	Sign	Description/data					Unit	Standard
Thermal conductivity depending on temperature	ϑ	50	100	150	200	300	°C	EN ISO 849
	λ	0,041	0,050	0,061	0,076	0,111	W/(mK)	
Water soluble chloride ions (AS quality)	–	≤ 10					ppm	EN ISO 12624
Water absorption	W_p	≤ 1,0					kg/m²	EN ISO 29767
Water vapour diffusion resistance	μ	1					–	EN 14303
Silicone free	–	No emissions of lacquering disturbing substances					–	–
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–T8-ST(+)600–WS1–CL10 (OD < 150 mm) MW–EN14303–T9–ST(+)600–WS1–CL10 (OD ≥ 150 mm)					–	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.

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	20 - 120 mm
Length	1200 mm

*Other dimensions on request.

with ECOSE® TECHNOLOGY

Knauf Insulation mineral wool products made 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.

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