

THERMO-TEK PS PRO ALU (HPS 035 ALUR)



January 2018

APPLICATION RANGE



DESCRIPTION

Thermo-teK PS Pro ALU is a circular wound, 1,200 mm long mineral wool pipe section slit on one side for easier installation.

PERFORMANCE

Max. service temperature	500 °C (EN 14707)
Service temperature facing	80 °C
Reaction to fire	A2-s1, d0 - D ₀ ≤ 300mm; A2-s1, d0 - D ₀ > 300mm (EN 13501-1)
Apparent density	ca. 105 kg/m ³ (EN 13470)
Declaration of performance	http://dopki.com/T4305BPCPR

Description	Sign	Description/data						Unit	Standard
Thermal conductivity depending on temperature	θ	10	50	100	150	200	250	°C	DIN EN 12667
	λ	0,033	0,037	0,044	0,052	0,062	0,073	W/(mK)	
AS quality	-	≤ 10						ppm	EN 13468
Total water absorption	W _p	≤ 1						kg/m ²	EN 1609
Water vapour diffusion equivalent air layer thickness	S _d	100						mm	EN 13469
Silicone free	-	No emissions by lacquering disturbing substances						-	-
Melting point of fibres	-	≥ 1000						°C	DIN 4102-17
Specific heat capacity	c _p	1030						J/(kgK)	EN ISO 10456
Designation code	-	Outer diameter < 150 mm						-	EN 14303
		MW-EN14303-T8-ST(+)-S00-WS1-MV1-CL10							
Designation code	-	Outer diameter ≥ 150 mm						-	EN 14303
		MW-EN14303-T9-ST(+)-S00-WS1-MV1-CL10							

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



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ADDITIONAL INFORMATION

Application

The product is recommended for thermal, fire and sound insulation of the defined applications within technical insulation.
Pipe lines, Pipe sectioning

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.

Product features

Thickness	20-100 mm
Inner diameter	15-324 mm
Length	1.200 mm



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.

Knauf Insulation d.o.o

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