

POWER-TEK FM 070 (FM D70)



April 2018

APPLICATION RANGE



DESCRIPTION

Power-teK FM is a non combustible mineral wool mat which is used for compacted or multi-layer insulation.

PERFORMANCE

Max. service temperature	620 °C (EN 14706)
Reaction to fire	A1 (EN 13501-1)
Apparent density	70 kg/m ³ (EN 1602)
Declaration of performance	http://dopki.com/T4305DPCPR

Description	Sign	Description/data									Unit	Standard
Thermal conductivity depending on temperature	θ	50	100	200	300	400	500	600	620	°C	DIN EN 12667	
	λ	0,040	0,047	0,067	0,094	0,130	0,173	0,228	0,239	W/(mK)		
AS quality	-	≤ 10									ppm	EN 13468
Total water absorption	W _p	≤ 1									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	-	≥ 1000									°C	DIN 4102-17
Longitudinal air flow resistance	r	≥ 20									kPa*s/m ²	-
Specific heat capacity	c _p	1030									J/(kgK)	EN ISO 10456
Designation code	-	MW-EN 14303-T2-ST(+)-620-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.

CERTIFICATES





ADDITIONAL INFORMATION

Application

The product is recommended for thermal, fire and sound insulation of the defined applications within technical insulation.
Filling material for mattresses, Multi-layer pipe insulation, Chimneys

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	30-100 mm
Width	3.000 - 10.000 mm
Length	1.000 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.

Knauf Insulation d.o.o

Varaždinska 140
42220 Novi Marof
Croatia

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