KNAUF INSULATION Technical Solutions

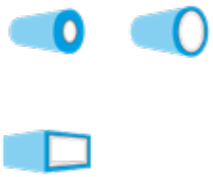
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THERMO-TEK LM PRO ALU

August 2018



APPLICATION RANGE



DESCRIPTION

Thermo-teK LM Pro ALU is a mat with formaldehyde-free binding material consisting of individual mineral wool strips (lamella) that are bonded on the one side to a tear-resistant, glass mesh reinforced aluminium foil.

PERFORMANCE

Max. service temperature	250 °C (EN 14706)
Service temperature facing	80 °C
Reaction to fire	A1 (EN 13501-1)
Apparent density	40 kg/m³ (EN 1602)
Declaration of performance	http://dopki.com/T4305HPCPR

Description	Sign	Description/data					Unit	Standard
Thermal conductivity depending on temperature	ϑ	50	100	150	200	250	°C	DIN EN 12667
	λ	0,044	0,054	0,067	0,083	0,104	W/(mK)	
AS quality	-	≤ 10					ppm	EN 13468
Total water absorption	W_p	≤ 1					kg/m²	EN 1609
Water vapour diffusion equivalent air layer thickness	s_d	100					mm	EN 12086
Silicone free	-	No emissions by lacquering disturbing sustances					-	-
Melting point of fibres	-	≥ 1000					°C	DIN 4102-17
Specific heat capacity	c_p	1030					J/(kgK)	EN ISO 10456
Designation code	-	MW-EN14303-T4-ST(+)250-WS1-MV1-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

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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, Circular and rectangular air ducts, Heat storage tanks

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.

Standard formats*

Thickness	20mm-140mm
Width	500, 1.000 mm
Length	1.000mm-10.000mm

***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

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