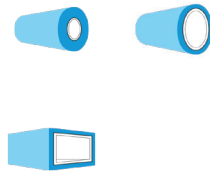


## THERMO-TEK LM ECO ALU (LMH ALUR)



January 2018

### APPLICATION RANGE



### DESCRIPTION

Thermo-teK LM Eco 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

Service temperature facing side max	80 °C
Service temperature mineral wool max	250 °C
Reaction to fire	A1
Minimum density	35 kg/m <sup>3</sup>
Declaration of performance	<a href="http://dopki.com/T4305MPCPR">http://dopki.com/T4305MPCPR</a>

Description	Sign	Description/data						Unit	Standard
Thermal conductivity depending on temperature	$\theta$	10	50	100	150	200	250	°C	DIN EN 12667
	$\lambda$	0,037	0,044	0,056	0,070	0,088	0,109	W/(mK)	
AS quality	-	≤ 10						ppm	EN 13468
Total water absorption	$W_p$	≤ 1						kg/m <sup>2</sup>	EN 1609
Water vapour diffusion equivalent air layer thickness	$S_d$	100						-	-
Silicone free	-	No emissions by lacquering disturbing substances						-	-
Melting point of fibres	-	≥ 1000						°C	DIN 4102-17
Compressive strength	$\sigma_m$	≥ 10						N/mm <sup>2</sup>	-
Specific heat capacity	$c_p$	1030						kJ/(m <sup>2</sup> K)	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.

### CERTIFICATE



## THERMO-TEK LM ECO ALU



January 2018

### 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.

#### Product features

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



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

All rights reserved, including those of photomechanical reproduction and storage in electronic media. Extreme caution was observed when putting together and processing the information, texts and illustrations in this document. Nevertheless, errors cannot quite be ruled out. The publisher and editors cannot assume legal responsibility or any liability whatever for incorrect information and the consequences thereof. The publisher and editors will be grateful for improvement suggestions and details of possible errors pointed out.