

with ECOSE[®] TECHNOLOGY

January 2016

Lamella Mat LMH AluR

Description

Lamella Mat LMH AluR is non-combustible mineral wool roll with a tear resistant glass fibre reinforced aluminium foil. The vertical orientation of the mineral wool fibres ensures good compressive strength, while keeping flexibility and ease of handling.

Application

Lamella Mat LMH AluR is recommended for thermal and fire-protection insulation of technical equipment such as:

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| <ul style="list-style-type: none">• Thermal insulation for HVAC ducts with rectangular or circular geometry• Pipe works | <ul style="list-style-type: none">• Vessels• Heat accumulators |
|--|---|

About ECOSE[®] Technology

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.

Characteristics

Thermal insulation

Lamella Mat LMH AluR offers superior thermal insulation

Fire behaviour

Lamella Mat LMH AluR is classified as non-combustible to class A1

Low Weight

Due to a relatively low weight Lamella Mats LMH AluR eases the typical overhead installation on heating & ventilation ducts

Advantages

- Eurofins Indoor Air Comfort Gold Standard
- AS-Quality
- Resilient, strong and flexible
- Easy and quick to install
- Easy to cut
- Melting point of fibers > 1000 °C
- Without addition of silicon oil

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Lamella Mat LMH AluR

Properties	Symbol	Description/Data						Unit	Test method/Standards
Reaction to fire	–	non-combustible, A1						–	EN 13501-1
Thermal conductivity in relation to temperature	ϑ	10	50	100	150	200	250	°C	EN 12667
	λ	0,037	0,044	0,056	0,070	0,088	0,109		
Maximum service temperature	ST(+)	250*						°C	EN 14706
AS-Quality	–	≤ 10						ppm	EN 13468
Water vapour diffusion resistance value	s _d	> 100						m	EN 12086
Water absorption	W _p	≤ 1,0 (WS1)						kg/m ²	EN 1602
Melting point of fibres	–	≥ 1000						°C	DIN 4102-17
Silicone free	–	Produced without addition of silicone oil							
Designation code		MW EN 14303-T4-ST(+)-250-WS1-MV1-CL10							EN 14303

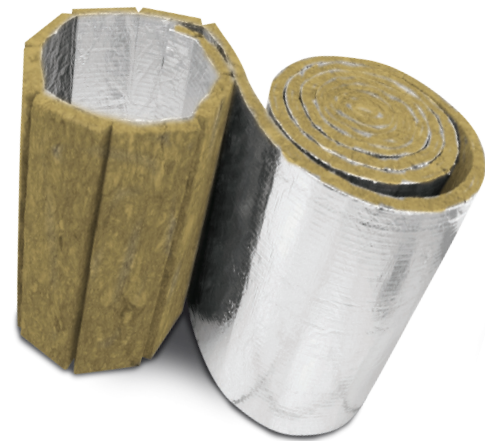
* aluminium side ≤ 80 °C

Product range

Thickness: 25 - 140 mm
Length: 2.500 - 10.000 mm
Width: 500 or 1.000 mm

Handling & storage

Lamella Mat LMH AluR is easy to handle and easy to install. It is supplied wrapped in polyethylene foil which is designed for short term protection only. For longer term protection on site, it is recommended to store the product either indoors or under a roof and off the ground. Product information is mentioned on every pack.



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Production Plant

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<http://dopki.com/T4305MPCPR>

