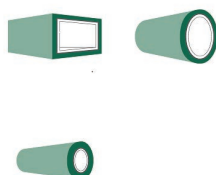


THERMO-TEK LM AIR ALU



March 2020

APPLICATION RANGE



DESCRIPTION

Thermo-teK LM Air 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 aluminium facing	≤ 80 °C
Reaction to fire	A2 - s1, d0 (EN 13501-1)
Apparent density	ca.28 kg/m³ (EN 1602)
Declaration of performance	http://dopki.com/T4308OP

Description	Sign	Description/data								Unit	Standard
Thermal conductivity depending on temperature	9	10	40	50	100	150	200	250		°C	EN 12667
	λ	0,036	0,042	0,044	0,055	0,072	0,088	0,112		W/(mK)	
Water vapour diffusion equivalent air layer thickness	S _d	≥ 200								m	EN 12086
Silicone free	-	No emissions by lacquering disturbing substances								-	-
Designation code	-	MW-EN14303-TS-ST(+)-250-MV2								-	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



challenge.
create.
care.

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ADDITIONAL INFORMATION

Application

The product is recommended for thermal and sound insulation of the defined applications within technical insulation. Rectangular and circular air handling ducts as well as pipework for heating and supply lines.

Handling

Knauf Insulation products are easy to handle and easy to install. They are supplied in suitable packaging materials to balance necessary transport protection with sustainable recycling options. Packaging is not designed for long-term storage or exposure to harsh weather conditions. Further product information is mentioned on every pack.

Storage

For longer term protection on site it is recommended to store the product indoors or alternatively under a roof and without direct contact to the ground (keep palletised).

Standard formats*

Thickness	25 -100 mm
Width	500 /600/1000 /1200 mm
Length	2500 - 8000 mm

*Other dimensions on request.



Knauf Insulation mineral wool products made 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.

ISO STANDARDS

Knauf Insulation products are produced according to four of the most important International Management Standards for sustainability ISO 9001 (Quality Management), ISO 14001 (Environmental Management), ISO 50001 (Energy Management) and OHSAS 18001 (Health and Safety Management), all certified by Tüv Nord.

Knauf Insulation d.o.o

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