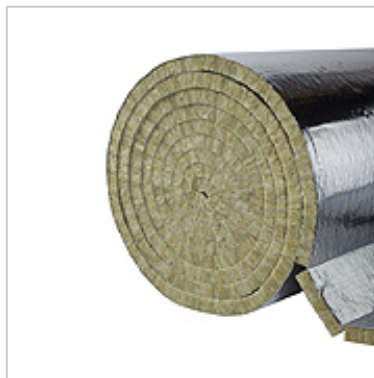


PAROC Pro Lamella Mat AluCoat



Certification Number	0809-CPD-0690 / VTT Expert Services Ltd, P.O. Box 1001, FI-02044 VTT, Finland, 18.12.2012
Designation Code	MW-EN 14303-T4-ST(+)350-WS1-MV2-CL10
Short Description	Stone wool lamella mat with a reinforced aluminium foil facing.
Application	Thermal and condensation insulation of air ducts and other ventilation ducts and equipment.

As per:
Type-Examination (Module B) certificate No. VTT-C-6526-15-11 issued by VTT.

Nominal Density 50 kg/m³

Maximum Service Temperature		
Description	Value	In accordance with
Maximum Service Temperature (Declared), ST(+)i	350 °C	EN 14706

Surface temperature of the facing must not exceed 80°C (temperature restriction determined in accordance with heat resistance adhesive). PAROC stone wool products are capable of withstanding high temperatures. The binder starts to evaporate when its temperature exceeds approximately 200°C. The insulating properties remain unchanged, but the compressive stress weakens. The softening temperature of stone wool products is over 1000°C.

Dimensions

Dimensions	
Width x Length	Thickness
Width 1000 or 500 mm. Length 2500 - 10000 mm depending on thickness.	20 - 120 mm
In accordance with EN 822	In accordance with EN 823

Packaging

Package Type Plastic Packs on Pallet

Fire Properties

Reaction to Fire		
Essential characteristics	Performance	Harmonised technical specification (method standard)
Reaction to Fire, Euroclass	A1	EN 14303:2009 (EN 13501-1)

Other Fire Properties

Description	Value	In accordance with
Fire Classification (IMO)	Non-Combustible	IMO FTP Code Part 1
Surface Flammability (IMO)	Low flame-spread characteristics	IMO FTP Code Part 2 and 5

Thermal Properties

Thermal Resistance

Essential characteristics	Performance	Harmonised technical specification (method standard)
Thermal Conductivity (declared) in 10 °C, λ_{10}	0.039 W/mK	EN 14303:2009 (EN 12667)
Thermal Conductivity (declared) in 50 °C, λ_{50}	0.045 W/mK	EN 14303:2009 (EN 12667)
Thermal Conductivity (declared) in 100 °C, λ_{100}	0.055 W/mK	EN 14303:2009 (EN 12667)
Thermal Conductivity (declared) in 200 °C, λ_{200}	0.081 W/mK	EN 14303:2009 (EN 12667)
Thermal Conductivity (declared) in 300 °C, λ_{300}	0.120 W/mK	EN 14303:2009 (EN 12667)
Thermal Conductivity (declared) in 350 °C, λ_{350}	0.146 W/mK	EN 14303:2009 (EN 12667)

Moisture Properties

Water Permeability

Essential characteristics	Performance	Harmonised technical specification (method standard)
Water Absorption, Short Term WS, W_p	$\leq 1\text{kg/m}^2$	EN 14303:2009 (EN 1609)

Water Vapour Permeability

Essential characteristics	Performance	Harmonised technical specification (method standard)
Water Vapour Diffusion Resistance	MV2	EN 12086

Rate of Release of Corrosive Substances

Trace Quantities of Water Soluble Ions and the pH Value

Essential characteristics	Performance	Harmonised technical specification (method standard)
Chloride Ions, Cl^-	< 10 ppm	EN 14303:2009 (EN 13468)

Durability

Maximum Service Temperature - Dimensional Stability 350 °C / EN 14303:2009 (EN 14707)

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