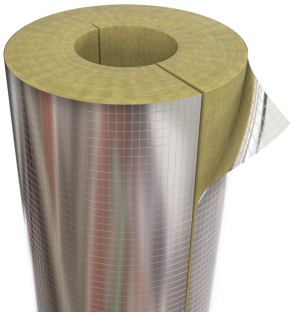
PRODUCT DATASHEET



PAROC Pro Section WR 100 AluCoat

Stone wool pipe section with outstanding water repellence and reinforced aluminium foil facing.

Thermal insulation in industrial pipework with water vapour permeability properties reducing condensation risk when properly installed.

The outstanding water repellency of PAROC WR products up to 300°C reduces the risk of corrosion under insulation. PAROC WR products are also safe to use in combination with painting operations: PAROC WR products are 3rd party tested and certified according to the most stringent class of the LABS conformity (paint wetting impairment) standard, VDMA 24364.

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.

Certification Number	0809-CPR-1016 Eurofins Expert Services Ltd, Kivimiehentie 4, FI-02150 Espoo. Finland MED Type-Examination (Module B) certificates No. 74480/A2 and 74479/A2 and UK Type-Examination (Module B) certificates No. 74465/A2 and 74467/A2.
Designation Code	MW-EN 14303-T8/T9-ST(+)640-WS1-MV2-CL10
Nominal Density	100 kg/m³
Package Type	Plastic packs on pallet

DIMENSIONS		
THICKNESS	**INNER DIAMETER**	**PIPE SECTION LENGTH**
20 - 160 mm	12 - 1016 mm	1200 mm
According to EN 13467	According to EN 13467	According to EN 13467

PROPERTY	**VALUE**	**ACCORDING TO**
DIMENSIONAL STABILITY		
Maximum Service Temperature - Dimensional Stability	640 °C	EN 14303:2009+A1:2013 (EN 14707)

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Properties

PROPERTY	VALUE	ACCORDING TO
FIRE PROPERTIES		
Reaction to Fire, Euroclass	$A2_L$ - s1 , d0	EN 14303:2009+A1:2013 (EN 13501-1)
Continuous Glowing Combustion	NPD	EN 14303:2009+A1:2013
THERMAL PROPERTIES		
Thermal Conductivity in 10 °C, λ_{10}	0,036 W/mK	EN 14303:2009+A1:2013 (EN ISO 8497)
Thermal Conductivity in 50 °C, λ_{50}	0,039 W/mK	EN 14303:2009+A1:2013 (EN ISO 8497)
Thermal Conductivity in 100 °C, λ_{100}	0,045 W/mK	EN 14303:2009+A1:2013 (EN ISO 8497)
Thermal Conductivity in 150 °C, λ_{150}	0,054 W/mK	EN 14303:2009+A1:2013 (EN ISO 8497)
Thermal Conductivity in 200 °C, λ_{200}	0,064 W/mK	EN 14303:2009+A1:2013 (EN ISO 8497)
Thermal Conductivity in 300 °C, λ_{300}	0,092 W/mK	EN 14303:2009+A1:2013 (EN ISO 8497)
Dimensions and Tolerances	T8/T9	EN 14303:2009+A1:2013 (EN 823)
MOISTURE PROPERTIES		
Water Absorption, Short Term WS, (W_p)	≤ 1 kg/m²	EN 14303:2009+A1:2013 (EN 13472)
Water Vapour Diffusion Resistance	MV2	EN 14303:2009+A1:2013 (EN 13469)
Chloride Ions, Cl-	< 10 ppm	EN 14303:2009+A1:2013 (EN 13468)
PAROC WR Pipe Sections are providing a very low water absorption (average water absorption level <0,1 kg/m² after 300°C/24h prebake) according to EN 13472, based on 3rd-party testing in 2019 and internal testing in 2023-2024.		
SOUND PROPERTIES		
Sound Absorption	NPD	EN 14303:2009+A1:2013 (EN ISO 354)
EMISSIONS		
Release of Dangerous Substances	NPD	EN 14303:2009+A1:2013
DURABILITY OF FIRE AND THERMAL PROPERTIES		
Durability of Reaction to Fire Against Ageing/Degradation	No change in reaction to fire properties for mineral wool products. The fire performance of mineral wool does not deteriorate with time. The Euroclass classification of the product is related to the organic content, which cannot increase with time.	
Durability of Reaction to Fire Against High Temperature	The fire performance of mineral wool does not deteriorate with high temperature. The Euroclass classification of the product is related to the organic content, which remains constant or decreases with high temperature.	
Durability of Thermal Resistance Against Ageing/Degradation	Thermal conductivity of mineral wool products does not change with time, experience has shown the fibre structure to be stable and the porosity contains no other gases than atmospheric air.	

Appearance

Facing Material	Aluminium foil reinforced with a glass fibre net.

CE 2690 8517

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