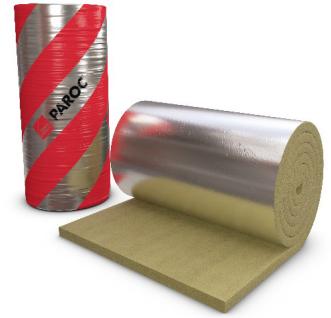


# PAROC Pro Mat WR 640 AluCoat

PAROC Pro Mat WR 640 AluCoat is a stone wool mat with outstanding water repellence and reinforced aluminium foil facing.

It is suitable for thermal insulation for industrial applications when insulating flat or irregularly shaped equipment where surface temperatures are < 640°C, with water vapour impermeability properties reducing condensation risk when properly installed.

PAROC WR products are an excellent tool for minimizing the risk of CUI (corrosion under insulation), keeping the outstanding water repellent properties at elevated temperatures. PAROC WR products are safe to use in combination with painting operations.



## Product Data Sheet

24.03.2026

### Dimensions (mm)

#### Width x Length

undefined

#### Thickness

undefined

### Nominal Density

80 kg/m<sup>3</sup>

### Package Type

Plastic packs on pallet

Other dimensions are available on request.

### Product characteristics according to EN 14303

Designation Code	MW-EN 14303-T2-ST(+)-640-WS1-MV2-CL10
DoP Number	40636
Thickness Tolerance, T	T2
Reaction to Fire, Euroclass	A1
Maximum Service Temperature - Dimensional Stability	640 °C
Water Absorption, Short Term, W <sub>p</sub>	≤ 1 kg/m <sup>2</sup>
Water Vapour Diffusion Resistance	MV2
Trace Quantity of Water-soluble Chloride Ions	≤ 10 ppm
Thermal Conductivity, λ <sub>D</sub>	See table below

°C	10	50	100	150	200	300	400	500	600	640
λ <sub>D</sub> W/(m*K)	0.035	0.040	0.046	0.053	0.062	0.084	0.111	0.146	0.190	0.205

### Fire Properties

Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive).

PAROC Stonewool products are capable of withstanding high temperatures. The binder starts to evaporate when its temperature exceeds approximately 200°C while the fire protecting properties remain unchanged. Stone wool has a high melting point of over 1000°C (internal test method).

### Moisture Properties

PAROC WR-grade flat products are providing a very low water absorption (average water absorption level <0,1 kg/m<sup>2</sup> after 300°C/24h prebake) according to EN 1609 / EN 29767, based on 3rd-party testing in 2019 and internal testing in 2023-2024.

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**Environmental Properties**

The European Certification Board for Mineral Wool products (EUCEB) trademark on our products confirms that PAROC Stonewool fibre fulfils the bio solubility requirements of EU directive No. 1272/2008. The German RAL quality mark confirms that the bio solubility and safety requirements are met according to the German technical regulation TRGS905.

PAROC Stonewool is made of stone. The volume of the product is ~98% air and only ~2% fiberized stone. The excellent properties of the product are based on the properties of the raw materials. PAROC Stonewool maintains its insulating ability and dimensions throughout the reference service life of the the building, which is considered to be minimum 50 years.

PAROC Stonewool is reusable and can be recycled into new stone wool products.

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**Certificates and Approvals**

EC Certificate of Conformity

0809-CPR-1016

PAROC WR products are safe to use in combination with painting operations: PAROC WR products are 3rd party tested, passing the requirements of the most stringent class of the LABS conformity (paint wetting impairment) standard, VDMA 24364.

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**Storage and Installation**

PAROC products should be stored in packaging protected against external weather conditions.

Installation in accordance with the design assumptions or based on the manufacturer's instructions.

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