

# PAROC Pro Wired Mat LE 100

PAROC Pro Wired Mat LE 100 is a non-combustible stone wool wired mat with low-emission binder technology and with a metallic mesh on one side. The product is intended for thermal and acoustical insulation of industrial equipment, in particular recommended for high-temperature applications indoors and for poorly ventilated areas.



## Product Data Sheet

14.11.2025

Dimensions (mm)	Width x Length	Thickness
	600 x 2000	120
	600 x 2500	80,100
<b>Nominal Density</b>	100 kg/m <sup>3</sup>	
<b>Package Type</b>	Plastic packs on pallet	

## Product characteristics according to EN 14303

Designation Code	MW-EN 14303-T2-ST(+)-660-WS1-CL10
DoP Number	40434
Thickness Tolerances, T	T2
Reaction to Fire, Euroclass	A1
Maximum Service Temperature - Dimensional Stability	660 °C
Water Absorption, Short Term W <sub>p</sub>	≤ 1 kg/m <sup>2</sup>
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	660
λ <sub>D</sub> W/(m*K)	0.036	0.042	0.047	0.054	0.063	0.083	0.110	0.142	0.180	0.205

## Fire Properties

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).

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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

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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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