

# PAROC Vect Wired Mat BlackCoat EI60

PAROC Vect Wired Mat BlackCoat EI60 is a ventilation and air conditioning duct insulation mat made of non-combustible PAROC® stone wool. The product is designed for passive fire protection and thermal insulation of circular ductwork in HVAC systems. It is suitable for all indoor ventilation ducts and HVAC equipment with medium temperature up to 250°C.

PAROC Vect Wired Mat BlackCoat EI60 is the instrumental part of a system designed to meet the stringent requirements of fire resistance class EI 60. With the reaction to fire classification Euroclass A2-s1,d0 (EN 13501-1), the product does not burn nor contribute to fire spread. The solution is fire-tested to be installed without having to sew or hook the transversal joints, speeding up installation and enhancing the overall cost-efficiency of the HVAC system, and it provides reliable fire protection, effective thermal insulation, energy efficiency, and an aesthetically pleasing installation.



The solution is tested to provide effective fire protection for 1.8m hanger distances on circular ducts. The longest installation interval for supports among the solutions available on the market and the liberty to position the insulation on the duct independent of the duct joints and supports allow for greater flexibility in installing the insulation. The product is M1 certified.



## Product Data Sheet

2026-04-07

Dimensions (mm)	Width x Length	Thickness
	600 x 2500	
900 x 2500		80
1000 x 2500		80

<b>Nominal Density</b>	90 kg/m <sup>3</sup>
<b>Package Type</b>	Plastic packs on pallet
	Other dimensions are available on request.

<b>Product characteristics according to EN 14303</b>	Designation Code	MW-EN 14303-T2-ST(+)-250-WS1-CL10
	DoP Number	40834
	Thickness Tolerance, T	T2
	Reaction to Fire, Euroclass	A2-s1,d0
	Maximum Service Temperature - Dimensional Stability	250 °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	0	10	50	100	150	200	250
λ <sub>D</sub> W/(m*K)	0.033	0.034	0.039	0.046	0.055	0.065	0.076

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**Fire Properties**

Fire Resistance Class, EI

EI 60

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).

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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

**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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