

PAROC Vect Wired Mat BlackCoat EI30

PAROC Vect Wired Mat BlackCoat EI30 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 and rectangular ductwork in HVAC systems. It is suitable for all indoor ventilation ducts and HVAC equipment with medium temperature up to 250°C. The 60mm thick wired mat can be used for both duct types, simplifying the installation and ordering processes.

PAROC Vect Wired Mat BlackCoat EI30 is the instrumental part of a system designed to meet the stringent requirements of fire resistance class EI30. 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 which reduces installation time. Additionally, it maintains a uniform insulation thickness throughout the entire duct, preventing compression at the joints. This ensures reliable fire protection, effective thermal insulation, energy efficiency, and an aesthetically pleasing installation.



The product is tested to provide effective fire protection for 1.8m hanger distances on circular ducts, helping to reduce the number of hangers needed, speeding up installation, and enhancing the overall cost-efficiency of the HVAC system. The product is M1 certified.



Product Data Sheet

2026-04-07

Dimensions (mm)	Width x Length	Thickness
	600 x 4000	60
	900 x 3000	60
	1000 x 3000	60

Nominal Density	80 kg/m ³
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(+)-250-WS1-CL10
	DoP Number	40795
	Thickness Tolerance, T	T2
	Reaction to Fire, Euroclass	A2-s1,d0
	Maximum Service Temperature - Dimensional Stability	250 °C
	Water Absorption, Short Term, W _p	≤ 1 kg/m ²
	Trace Quantity of Water-soluble Chloride Ions	≤ 10 ppm
	Thermal Conductivity, λ _D	See table below

°C	0	10	50	100	150	200	250
λ _D W/(m*K)	0.033	0.034	0.039	0.046	0.055	0.065	0.076

Fire Properties

Fire Resistance Class, EI

EI 30

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).

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.

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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