PAROC Hvac Slab AluCoat

PAROC Hvac Slab AluCoat is a ventilation and duct insulation slab made of non-combustible PAROC® stone wool. The product is designed for thermal and condensation insulation of ventilation ducts and other ventilation equipment in HVAC systems. Suitable for all indoor ventilation ducts and equipment with medium temperature up to 250°C.

PAROC Hvac Slab AluCoat does not burn nor contribute to fire spread with a reaction to fire classification of Euroclass A1, according to EN 13501-1.

PAROC Hvac Slab AluCoat is easy to handle and install on ducts and other HVAC systems. It is reinforced with an AluCoat facing, a water vapour-resistant barrier which together with taped joints reduces condensation risk and vapour permeability. With PAROC Hvac AluCoat Tape/PAROC Hvac Alu Tape/PAROC Alu Tape/PAROC Hvac Dots, which have an identical facing of the slab, and other PAROC accessories, correct and efficient insulation can be achieved

Product Data Sheet **24.03.2026**

Dimensions (mm)

Width x Length	Thickness
600 x 1200	40,50,60,80,100

Other dimensions are available on request.

Product characteristics according to EN 14303

Designation Code	MW-EN 14303-T5-ST(+)250-WS1-MV2-CL10
DoP Number	40144
Thickness Tolerance, T	T5
Reaction to Fire, Euroclass	A1
Maximum Service Temperature - Dimensional Stability	250 °C
Water Absorption, Short Term, W_p	≤ 1 kg/m²
Water Vapour Diffusion Resistance	MV2
Trace Quantity of Water-soluble Chloride Ions	≤ 10 ppm
Thermal Conductivity, λ_D	See table below

°C	0	10	40	50	100	150	200	250
λ_D W/(m*K)	0.034	0.035	0.039	0.040	0.047	0.056	0.067	0.080

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).

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

PAROC slabs can be used to satisfy the requirements as given in the tables for insulation thickness in BS5422:2023. PAROC can offer help and assistance to customers to confirm that the insulation systems proposed do in fact achieve the necessary performance criteria. PAROC slabs conform to BS3958-5.

Storage and Installation

PAROC products should be stored indoors, in a dry location.

Installation in accordance with the manufacturer's instructions.

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