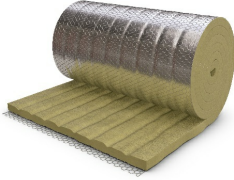


PRODUCT DATASHEET

PAROC Pro Wired Mat WR 550 AluCoat



Stone wool wired mat with leading edge water repellence and reinforced aluminum facing and galvanized net. Even available with stainless steel net and/or sewing wire.

Thermal insulation of cylindrical, conic and flat surfaces.

The superior water repellency of PAROC WR products up to 300°C reduces the risk of corrosion under insulation. PAROC WR products are also safe to use in combination with painting operations: PAROC WR products are 3rd party tested and certified according to the most stringent class of the LABS conformity (paint wetting impairment) standard, VDMA 24364

Surface temperature of the facing must not exceed 80°C.

PAROC stone wool products are capable of withstanding high temperatures. The binder starts to evaporate when its temperature exceeds approximately 200°C. The insulating properties remain unchanged, but the compressive stress weakens. The softening temperature of stone wool products is over 1000°C.

Nominal Density
Package Type

70 kg/m³
Plastic Packs on Pallet

DIMENSIONS		
WIDTH X LENGTH		THICKNESS
Width 500/1000 mm, length 2000 - 8000 depending on thickness. mm		30 - 120 mm
According to EN 822		According to EN 823
PROPERTY	VALUE	ACCORDING TO
DIMENSIONAL STABILITY		
Maximum Service Temperature - Dimensional Stability	NPD	EN 14706

Properties

PROPERTY	VALUE	ACCORDING TO
FIRE PROPERTIES		
Reaction to Fire, Euroclass	A1	EN 13501-1
Continuous Glowing Combustion	NPD	
THERMAL PROPERTIES		
Thermal Conductivity in 10 °C, λ_{10}	0,037 W/mK	EN 12667
Thermal Conductivity in 50 °C, λ_{50}	0,042 W/mK	EN 12667
Thermal Conductivity in 100 °C, λ_{100}	0,049 W/mK	EN 12667
Thermal Conductivity in 150 °C, λ_{150}	0,057 W/mK	EN 12667
Thermal Conductivity in 200 °C, λ_{200}	0,067 W/mK	EN 12667
Thermal Conductivity in 300 °C, λ_{300}	0,067 W/mK	EN 12667
Thermal Conductivity in 400 °C, λ_{400}	0,126 W/mK	EN 12667
Thermal Conductivity in 500 °C, λ_{500}	0,166 W/mK	EN 12667
Thermal Conductivity in 600 °C, λ_{600}	0,215 W/mK	EN 12667
Dimensions and Tolerances	T2	EN 823
MOISTURE PROPERTIES		
Water Absorption, Short Term WS, (W_p)	$\leq 1 \text{ kg/m}^2$	EN 1609
Water Vapour Diffusion Resistance	NPD	EN 12086
Chloride Ions, Cl-	< 10 ppm	EN 13468
PAROC WR Mats are providing very low water absorption < 0,1 kg/m ² at temperatures up to 300°C according to EN 1609		
SOUND PROPERTIES		
Sound Absorption	NPD	EN ISO 354
MECHANICAL PROPERTIES		
Compressive Stress at 10 % deformation CS(10), σ_{10}	NPD	EN 826

Appearance

Facing Material	Reinforced aluminum facing, galvanized wire mesh and sewing wire.
-----------------	---

Head Office: PAROC GROUP, P.O. Box 240 (Energiakuja 3), FI-00181 Helsinki Finland, Tel. +358 46 876 8000, www.paroc.com

The information in this brochure describes the conditions and technical properties of the disclosed products, valid at the time of publication of this document and until replaced by the next printed or digital version. The latest version of this brochure is always available on the Paroc website. Our information material presents applications for which the functions and technical properties of our products have been approved. However, the information does not mean a commercial guarantee. We do not assume liability of the use of third party components used in the application or the installation of our products. We cannot warrant the suitability of our products if used in an area or conditions which are not provided in our information material. As a result of constant further development of our products we reserve the right to make alterations to our information material at any time. PAROC is a registered trademark of Paroc Group. This data sheet is valid in following countries: international use (general information).