

## PRODUCT DATASHEET



### PAROC Pro Wired Mat WR 550 AluCoat

Stone wool wired mat with galvanized net and aluminum facing. Even available with stainless steel net and/or sewing wire.

Thermal insulation of cylindrical, conic and flat surfaces.

PAROC WR products are safe to use in combination with painting operations. PAROC WR products are 3rd party tested and certified according to the the most stringent class of the LABS conformity (paint wetting impairment) standard, VDMA-24364.

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/m<sup>3</sup>  
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
<b>FIRE PROPERTIES</b>		
Reaction to Fire, Euroclass	A1	EN 13501-1
Continuous Glowing Combustion	NPD	
<b>THERMAL PROPERTIES</b>		
Thermal Conductivity in 10 °C, $\lambda_{10}$	0,037 W/mK	EN 12667
Thermal Conductivity in 50 °C, $\lambda_{50}$	0,042 W/mK	EN 12667
Thermal Conductivity in 100 °C, $\lambda_{100}$	0,049 W/mK	EN 12667
Thermal Conductivity in 150 °C, $\lambda_{150}$	0,057 W/mK	EN 12667
Thermal Conductivity in 200 °C, $\lambda_{200}$	0,067 W/mK	EN 12667
Thermal Conductivity in 250 °C, $\lambda_{250}$	0,067 W/mK	EN 12667
Thermal Conductivity in 300 °C, $\lambda_{300}$	0,067 W/mK	EN 12667
Thermal Conductivity in 400 °C, $\lambda_{400}$	0,126 W/mK	EN 12667
Thermal Conductivity in 500 °C, $\lambda_{500}$	0,166 W/mK	EN 12667
Thermal Conductivity in 600 °C, $\lambda_{600}$	0,215 W/mK	EN 12667
Dimensions and Tolerances	T2	
<b>MOISTURE PROPERTIES</b>		
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 Wired Mat WR products are providing very low water absorption < 0,1 kg/m <sup>2</sup> at temperatures up to 300 °C according to EN 1609 and EN 12087.		
<b>SOUND PROPERTIES</b>		
Sound Absorption	NPD	EN ISO 354
<b>MECHANICAL PROPERTIES</b>		
Compressive Stress at 10 % deformation CS(10), $\sigma_{10}$	NPD	EN 826

## Appearance

Facing Material	Galvanized wire mesh and sewing wire. Aluminum facing.
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