

PAROC Pro Wired Mat LE 550

PAROC Pro Wired Mat LE 550 is a non-combustible stone wool wired mat with low-emission binder technology and with a metallic mesh on one side.

The product is intended for the thermal insulation of indoor industrial equipment operating at elevated temperatures, including boilers, steam pipework, boiler penthouses, and similar installations.

PAROC Pro Wired Mat LE products are intended for the thermal and acoustic insulation of industrial equipment and are particularly recommended for indoor high-temperature applications and poorly ventilated areas. Their low-emission binder technology results in exceptionally low emissions of substances such as formaldehyde and monoisocyanates during the initial heat-up phase compared with conventional mineral wool insulation products.

This product is also available with AL1 facing, and with stainless steel mesh and sewing wire (W2) or with galvanized mesh and stainless steel sewing wire (SW2).



Product Data Sheet

2026-10-14

Dimensions (mm)	Width x Length		Thickness								
	500 x 2500		100								
Nominal Density	70 kg/m³										
	Other dimensions are available on request.										
Product characteristics according to EN 14303	Designation Code		MW-EN 14303-T2-ST(+)600-WS1-CL10								
	DoP Number		40763								
	Thickness Tolerance, T		T2								
	Reaction to Fire, Euroclass		A1								
	Maximum Service Temperature - Dimensional Stability		600 °C								
	Water Absorption, Short Term, W _p		≤ 1 kg/m²								
	Trace Quantity of Water-soluble Chloride Ions		≤ 10 ppm								
	Thermal Conductivity, λ _D		See table below								
	°C		10	50	100	150	200	300	400	500	600
	λ _D W/(m*K)		0.037	0.042	0.049	0.057	0.067	0.093	0.126	0.166	0.215

Fire Properties

Maximum temperature exposure of the galvanized mesh: +300 °C. For higher temperatures we recommend choosing stainless steel mesh (W2).

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.	
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.	

Technical information contained herein is furnished without charge or obligation and is given and accepted at recipient's sole risk. Because conditions of use may vary and are beyond our control, Paroc makes no representation about, and is not responsible or liable for the accuracy or reliability of data associated with particular uses of any product described herein. Paroc reserves the right to modify this document without prior notice. PAROC is a registered trademark of Paroc Group Oy. This data sheet is valid in following countries: international use (general information).