

ProRox® WM 970^{ES}

ProRox WM 970^{ES} is a lightly bonded heavy-duty stone wool insulation mat stitched on galvanized wired mesh with galvanized wire. Stainless steel mesh, stainless steel binding wire (SW) and/or reinforced aluminium foil (ALU) facing are available upon request. The wired mats are produced with an innovative water-repellent binder, known as WR-Tech™, to mitigate the risk of corrosion under insulation (CUI). WR-Tech ensures our stone wool maintains its superior water repellency even at elevated operating temperatures within the CUI range, while preserving its excellent thermal performance in use.



Application

The wired mat is suitable for the thermal and acoustic insulation of industrial installations exposed to the environment, such as outdoor industrial pipework and equipment at petrochemical plants and refineries.



Product properties

Properties	Performance													Norms
Thermal conductivity	T (°C)	50	100	150	200	250	300	350	400	500	600	660	EN 12667	
	λ (W/mK)	0,040	0,045	0,051	0,059	0,069	0,079	0,090	0,102	0,128	0,157	0,187		
Maximum Service Temperature	680°C												EN 14706	
Reaction to fire	Euroclass A1												EN 13501-1	
Density	128 kg/m ³												EN 1602	
Corrosion resistance	Trace quantity of water leachable chloride ions: ≤ 10 ppm												EN 13468	
Water absorption	$\leq 0,2$ kg/m ²												EN 1609	
	$\leq 0,2$ kg/m ² (After 24 hrs. pre-heating at 250°C)												EN ISO 29767	
Water vapour diffusion resistance	$\mu = 1$												EN 14303	
EN 14303 Designation code*	MW EN 14303-T2-ST(+)-680-WS1-CL10												EN 14303	

* Thickness class declared under the load of 1000 Pa

Compliance

- ProRox WM 970^{ES} fully complies with the requirements as set by the internationally recognized standards like EN 14303.

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