

ProRox® WM 961

ProRox WM 961 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 and/or reinforced aluminium foil 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, reactors and furnaces 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)	0,039	0,045	0,052	0,059	0,068	0,078	0,089	0,102	0,131	0,167	0,191		
Maximum Service Temperature	660°C												EN 14706	
Reaction to fire	Euroclass A1 Non-Combustible												EN 13501-1 IMO 2010 FTPC	
Nominal density	100 kg/m ³												EN 1602	
Corrosion resistance	Trace quantity of water leachable chloride ions: ≤ 10 mg/kg												EN 13468	
Water absorption	$\leq 0,2$ kg/m ² $\leq 0,2$ kg/m ² (After 24 hrs. pre-heating at 250°C)												EN 1609	
Water vapour diffusion resistance	$\mu = 1$												EN 12086	
Influence on coating systems	Free from substances (e.g. silicone oil) that might impair surface wetting												VW 3.10.7	
EN 14303 Designation code*	MW EN 14303-T2-ST(+)-660-WS1-CL10												EN 14303	

* Thickness class declared under the load of 1000 Pa.

Compliance

ProRox WM 961 Wired Mats fully comply with the requirements as set by internationally recognized standards like EN14303, CINI 2.2.02, PMUC, ASTM C592 and VDI 2055.

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