

# ProRox® WM 970<sup>ES</sup>

ProRox WM 970<sup>ES</sup> is a lightly bonded heavy duty stone wool mat stitched on galvanised wired mesh with galvanised wire. Stainless steel mesh, stainless steel binding wire and/or aluminium foil facing are available upon request. The wired mat is especially suitable for industrial applications such as high-pressure steam pipes, reactors, furnaces, etc. where high extreme demands are made on the temperature resistance of the insulation.



## Product properties

Properties	Performance								Norms
Thermal conductivity at mean temperature	$T_m$ (°F)	100	200	300	400	500	600	700	ASTM C177
	$\lambda$ (BTU.in/hr.ft <sup>2</sup> .°F)	0,26	0,31	0,37	0,44	0,52	0,60	0,70	
	$T_m$ (°C)	38	93	149	204	260	316	371	
	$\lambda$ (W/mK)	0,038	0,045	0,053	0,063	0,075	0,087	0,101	
Maximum use temperature	1,200 °F (650 °C)								ASTM C447
Linear Shrinkage	≤ 2% at 1,200 °F (650 °C)								ASTM C356
Reaction to fire	Surface burning characteristics Flame spread index = 0; Smoke development index = 0								ASTM E84
	Non-Combustible								IMO 2010 FTPC
Nominal density	8.0 lb/ft <sup>3</sup> (128 kg/m <sup>3</sup> )								ASTM C167
Corrosion resistance	Evaluation on external stress corrosion cracking tendency of austenitic stainless steel = Passed								ASTM C692 / ASTM C795
	Chemical analysis for Cl <sup>-</sup> , F <sup>-</sup> , Na <sup>+</sup> , SiO <sub>4</sub> <sup>4-</sup> : Results fall within acceptability limits of ASTM C795								ASTM C871 / ASTM C795
	Trace quantity of water leachable chloride ions: ≤ 10 mg/kg								EN 13468
Water vapour sorption	< 1% Weight								ASTM C1104
Water absorption	< 0.2 lb/ft <sup>2</sup> (1 kg/m <sup>2</sup> )								EN 1609

## Compliance

- ProRox WM 970<sup>ES</sup> wired mats fully comply with the requirements as set by internationally recognized standards like EN 14303, CINI 2.2.02, VDI 2055, ASTM C592-16 Type I, II, III.
- Above product properties reflect only to ASTM standards. Compliance and Performance according to European (EN) standards can be found on our website. Please contact our sales representatives for an extended list of approvals & certifications.

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