

ProRox® WM 940^{ES}

ProRox WM 940^{ES} is a lightly bonded stone wool mat stitched on galvanised wire mesh using galvanised wire. Stainless steel mesh, stainless steel binding wire and/or aluminium foil facing are available upon request. The wired mat is suitable for thermal acoustic insulation of industrial applications reaching high temperatures, such as industrial pipe work, boiler walls, furnaces and smoke ducts.



Product properties

Properties	Performance						Norms
Thermal conductivity at mean temperature	T_m (°F)	100	200	300	400	500	ASTM C177
	λ (BTU.in/hr.ft ² .°F)	0,27	0,34	0,43	0,55	0,70	
	T_m (°C)	38	93	149	204	260	
	λ (W/mK)	0,039	0,049	0,062	0,079	0,101	
Maximum use temperature	850 °F (454 °C)						ASTM C447
Linear Shrinkage	≤ 2% at 850 °F (454 °C)						ASTM C356
Reaction to fire	Surface burning characteristics Flame spread index = 0; Smoke development index = 0						ASTM E84
Nominal density	4.4 lb/ft ³ (70 kg/m ³)						ASTM C167
Corrosion resistance	Evaluation on external stress corrosion cracking tendency of austenitic stainless steel = Passed						ASTM C692 / ASTM C795
	Chemical analysis for Cl ⁻ , F ⁻ , Na ⁺ , SiO ₄ ⁴⁻ : 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 ² (1 kg/m ²)						EN 1609

Compliance

- ProRox WM 940^{ES} 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.
- 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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