

ProRox® MA 960

ProRox MA 960 is a rolled stone wool insulation mat (wrap) faced as standard with black fibrous scrim. The mats are produced with an innovative water-repellent binder, known as WR-Tech™, to mitigate the risk of corrosion under insulation. 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. Reinforced aluminum US nomenclature foil facing is available upon request.



Application

The mat (wrap) is suitable for the thermal and acoustic insulation of high-temperature industrial applications exposed to the environment and subjected to light mechanical loads, such as large diameter piping, vessels, ducts and equipment.

Product properties in accordance with ASTM C553

	Performance								Norms
Thermal conductivity at mean temperature	T_m (°F)	100	200	300	400	500	600	700	ASTM C177
	λ (BTU.in/hr.ft ² .°F)	0.25	0.30	0,34	0,40	0,48	0,58	0,68	
	T_m (°C)	38	93	150	204	260	316	371	
	λ (W/mK)	0.036	0.043	0,049	0,058	0,069	0,084	0,098	
Maximum use temperature	1200 °F (649 °C)								ASTM C447 / C411
Linear shrinkage	≤ 4% @ 1,200 °F (649 °C)								ASTM C356
Surface burning characteristics	Flame spread index ≤ 25; Smoke development index ≤ 50								ASTM E84 (UL723)
Nominal density	Nominal density 8 lb/ft ³ (128 kg/m ³) / Actual density 5.7 lb/ft ³ (91 kg/m ³)								ASTM C167
Corrosion resistance	"Evaluation on external stress corrosion cracking tendency of austenitic stainless steel = Passes"								ASTM C692 / ASTM C795
	"Chemical analysis for Cl ⁻ , F ⁻ , Na ⁺ , SiO ₄ ⁴⁻ according to ASTM C795 = Passes"								ASTM C871 / ASTM C795
Water absorption	≤ 0.04 lb/ft ² (≤ 0.2 kg/m ²) at ambient conditions								EN 1609 / ISO 29767
	≤ 0.04 lb/ft ² (≤ 0.2 kg/m ²) after 24 hrs. pre-heating at 482 °F (250 °C)								
Vapor sorption	< 1% weight								ASTM C1104

Compliance

- ProRox MA 960 fully complies with the requirements as set by internationally recognized standards like ASTM C553.
- ROCKWOOL stone wool insulation is made from volcanic rock and is not classified as a hazardous substance in accordance with Note Q, regulation (EC) No. 1272/2008.
- Surface Burning Characteristics: UL Classified to UL 723.



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