

ProRox® MA 960^{NA}

ProRox MA 960 is a rolled stone wool insulation mat faced as standard with black fibrous scrim. The mats are produced with an innovative water-repellent binder, know 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 foil facing (RFF) 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 C553¹⁾

Property	Performance								Test standard
Thermal conductivity at mean temperature	T _m (°F)	100	200	300	400	500	600	700	ASTM C177
	λ (BTU.in/hr.ft².°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 (650 °C)								ASTM C447 / C411
Linear shrinkage	≤ 4% at 1200 °F (650 °C)								ASTM C356
Reaction to Fire	Flame spread index = 0; Smoke development index = 0								ASTM E84 (UL723)
Corrosion resistance	Stress corrosion cracking tendency of austenitic stainless steel = passed								ASTM C692 / ASTM C795
	Chemical analysis (Cl ⁻ , F ⁻ , Na ⁺ , SiO ₄ ⁴⁻): results fall within acceptability limits of ASTM C795								ASTM C871 / ASTM C795
	Trace quantities of water soluble chloride ions: ≤ 10 ppm								EN 13468 / ISO 12624
Water absorption	≤ 0.04 lb/ft² (≤ 0.2 kg/m²) at ambient conditions								EN 1609 / ISO 29767
	≤ 0.04 lb/ft² (≤ 0.2 kg/m²) after 24 hrs pre-heating at 482 °F (250 °C)								
Vapor sorption	< 1% weight								ASTM C1104
Nominal density ²⁾	Nominal density 8 lb/ft³ (128 kg/m³) / Actual density 5.7 lb/ft³ (91 kg/m³)								ASTM C167

1) All values are nominal values for standard industrial production. Standard industrial production tolerances applicable.

2) Density is not a performance criteria but is commonly referred to when specifying insulation. Actual density is the true density of the insulation and nominal density is the effective density of the insulation relative to a historic benchmark where the insulation contained 40% non-fibrous content also known as shot (ASTM C612-99).

Compliance

- ProRox MA 960 fully complies with the requirements as set by internationally recognized standards like ASTM C553.
- Noise reduction data available in accordance with ISO 15665.
- 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.



Disclaimer

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