

# ENERWRAP® MA 960<sup>NA</sup>



Old name: ENERWRAP® 80

## Product description & application

ENERWRAP® MA 960<sup>NA</sup> is a rolled and faced mineral wool (stone wool) insulation wrap/mat designed for high temperature industrial applications where flexibility is required.

Product is ideal for large diameter piping, vessels, ducts and equipment subject to light mechanical loads.

## Product properties in accordance with ASTM C553

	Performance								Norms
<b>Thermal conductivity</b>	T <sub>m</sub> (°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 <sub>m</sub> (°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	
<b>Maximum Service Temperature</b>	Hot Surface Performance: 1200 °F- (650 °C)								ASTM C411
	Non-Combustible								ASTM E136 / CAN4 S114
	Linear Shrinkage: ≤ 2 % at 1200 °F- (650 °C)								ASTM C356
<b>Reaction to fire</b>	Surface burning characteristics Flame spread index = 0 ; Smoke development index = 0								ASTM E84 (UL 723) CAN/ULC S102
<b>Density</b>	Actual Density = 5.68 lb/ft³ - (91 kg/m³) Nominal Density = 8.0 lb/ft³								ASTM 167
<b>Corrosion resistance **</b>	Stress Corrosion Cracking Tendency of Austenitic Stainless Steel = Passed Corrosion of Steel = Passed								ASTM C692 ASTM C665
<b>Chemical Analysis **</b>	(Salts: 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 C795 (C871)
<b>Thermal Resistance</b>	R-Value / inch @ 75 °F				4.2 hr.ft².°F/BTU				ASTM C518 (C177)
	RSI value / 25.4mm @ 24 °C				0.74 m² K/W				
<b>Water Absorption/ Vapor Sorption</b>	< 1 % Weight								ASTM C1104
<b>Compliance</b>	Complies with Type: VII								ASTM C553
	ROXUL offers a wide range of facings, dimensions and thicknesses. Please contact ROXUL for further information.								

Surface Burning Characteristics: UL Listed to Canadian standard CAN/ULC S102 ; UL Classified to UL 723



NOTE: \*\* Provisions for lot testing may be required, consult manufacturer.

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