

## ProRox® FSL 960<sup>NA</sup>



Old name: ROXUL RHT® 80 FLEX

### Product description & application

ProRox® FSL 960<sup>NA</sup> is a flexible mineral wool (stone wool) insulation board for high temperature industrial applications 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·po/h·pi²·°F)	0.24	0.29	0.34	0.40	0.48	0.60	0.73	
	T <sub>m</sub> (°C)	38	93	150	204	260	316	371	
	λ (W/mK)	0.035	0.042	0.049	0.058	0.069	0.086	0.105	
<b>Maximum Service Temperature</b>	Hot Surface Performance: 1200 °F- (650 °C)								ASTM C411
	Non-Combustible								ASTM E136 / CAN4 S114
	Linear Shrinkage: ≤ 1 % 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 = 5.8 lb/ft³ - (93 kg/m³) Nominal Density = 8.0 lb/ft³								ASTM C167
<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 / ASTM C871
<b>Thermal Resistance</b>	R-Value / inch @ 75 °F RSI value / 25.4mm @ 24 °C				4.2 hr. ft²·°F/BTU 0.76 m² K/W				ASTM C518 (C177)
<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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