

## ProRox® FSL 940<sup>NA</sup>



Old name: ROXUL RHT® 60 FLEX

### Product description & application

ProRox® FSL 940<sup>NA</sup> is a flexible mineral wool (stone wool) thermal insulation board for high temperature industrial applications.

### 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	0.36	0.42	0.52	0.63	0.75	
	T <sub>m</sub> [°C]	38	93	150	204	260	316	371	
	λ [W/mK]	0.036	0.043	0.052	0.061	0.075	0.091	0.108	
<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 = 4.4 lb/ft³ - (70 kg/m³) Nominal Density = 6.0 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				4.3 hr. ft².°F/BTU				ASTM C518 (C177)
	RSI value / 25.4mm @ 24 °C				0.76 m² K/W				
<b>Water Absorption/ Vapor Sorption</b>	< 1 % Weight								ASTM C1104/1104M
<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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