



Product description & application

ProRox® FSL 940^{NA} is a flexible mineral wool (stone wool) thermal insulation board for high temperature industrial applications.

Product properties in accordance with ASTM C553

	Performance								Norms
Thermal conductivity	T _m (°F)	100	200	300	400	500	600	700	ASTM C177
	I (BTU.in/hr.ft ² .°F)	0.25	0.30	0.36	0.42	0.52	0.63	0.75	
	T _m (°C)	38	93	150	204	260	316	371	
	I (W/mK)	0.036	0.043	0.052	0.061	0.075	0.091	0.108	
Maximum Service Temperature	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
Reaction to fire	Surface burning characteristics Flame spread index = 0 ; Smoke development index = 0								ASTM E84 (UL 723) CAN/ULC S102
Density	Actual Density = 4.4 lb/ft ³ - (70 kg/m ³) Nominal Density = 6.0 lb/ft ³								ASTM C167
Corrosion resistance **	Stress Corrosion Cracking Tendency of Austenitic Stainless Steel = Passed Corrosion of Steel = Passed								ASTM C692 ASTM C665
Chemical Analysis **	(Salts: Cl ⁻ , F ⁻ , Na ⁺ , SiO ₄ ⁴⁻) Results fall within acceptability limits of ASTM C795								ASTM C795 / ASTM C871
Thermal Resistance	R-Value / inch @ 75 °F				4.3 hr. ft ² .°F/BTU				ASTM C518 (C177)
	RSI value / 25.4mm @ 24 °C				0.76 m ² K/W				
Water Absorption/ Vapor Sorption	< 1 % Weight								ASTM C1104/1104M
Compliance	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





Product description & application

ProRox® FSL 960^{NA} 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
Thermal conductivity	T _m (°F)	100	200	300	400	500	600	700	ASTM C177
	I (BTU.in/hr.ft ² .°F)	0.24	0.29	0.34	0.40	0.48	0.6	0.73	
	T _m (°C)	38	93	150	204	260	316	371	
	I (W/mK)	0.035	0.042	0.049	0.058	0.069	0.086	0.105	
Maximum Service Temperature	Hot Surface Performance: 1200 °F- (650 °C) Non-Combustible								ASTM C411 ASTM E136 / CAN4 S114
	Linear Shrinkage: ≤ 1 % at 1200 °F- (650 °C)								ASTM C356
Reaction to fire	Surface burning characteristics Flame spread index = 0 ; Smoke development index = 0								ASTM E84 (UL 723) CAN/ULC S102
Density	Actual Density = 5.8 lb/ft ³ - (93 kg/m ³) Nominal Density = 8.0 lb/ft ³								ASTM C167
Corrosion resistance **	Stress Corrosion Cracking Tendency of Austenitic Stainless Steel = Passed Corrosion of Steel = Passed								ASTM C692 ASTM C665
Chemical Analysis **	(Salts: Cl ⁻ , F ⁻ , Na ⁺ , SiO ₄ ⁴⁻) Results fall within acceptability limits of ASTM C795								ASTM C795 / ASTM C871
Thermal Resistance	R-Value / inch @ 75 °F RSI value / 25.4mm @ 24 °C				4.3 hr. ft ² .°F/BTU 0.76 m ² K/W				ASTM C518 (C177)
Water Absorption/ Vapor Sorption	< 1 % Weight								ASTM C1104
Compliance	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

