

ProRox® FSL 940^{NA}

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

Properties	Performance								Norms
Thermal conductivity	T _m (°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 _m (°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	
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/ft³ - (70 kg/m³) Nominal Density = 6.0 lb/ft³								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					4.2 hr. ft².°F/BTU 0.76 m² K/W			ASTM C518 (C177)
Water Absorption/ Vapor Sorption	< 1 % Weight								ASTM C1104/1104M
Compliance	Complies with Type: VII								ASTM C553
ROCKWOOL Technical Insulation offers a wide range of facings, dimensions and thicknesses. Please contact us for further information.									

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

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



As ROXUL® Inc has no control over installation design and workmanship, accessory materials or application conditions, ROXUL® Inc. does not warranty the performance or results of any installation containing ROXUL® Inc's products. ROXUL® Inc's overall liability and the remedies available are limited by the general terms and conditions of sale. This warranty is in lieu of all other warranties and conditions expressed or implied, including the warranties of merchantability and fitness for a particular purpose.

®/TM: US - owner ROCKWOOL International A/S used under license; Canada - owner Roxul Inc.