

ProRox® SL 450^{NA}

**NEW
 PRODUCT**

Product description & application

ProRox® SL 450^{NA} is a rigid mineral wool (stone wool) insulation board that can be fabricated into high temperature industrial insulation for lightweight cut pipe and v-groove products.

Product properties in accordance with ASTM C612

	Performance								Norms
Thermal conductivity	T _m [°F]	100	200	300	400	500	600	700	ASTM C177
	λ (BTU.in/hr.ft ² .°F)	0.27	0.29	0.34	0.40	0.45	0.52	0.61	
	T _m [°C]	38	93	149	204	260	316	371	
	λ (W/mK)	0.039	0.042	0.049	0.058	0.065	0.075	0.088	
Maximum Service Temperature	Hot Surface Performance: 1200 °F- (650 °C)								ASTM C411
	Non-Combustible								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 = 9.0 lb/ft ³ - (144 kg/m ³) Nominal Density = 12.0 lb/ft ³								ASTM C303
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				4.0 hr. ft ² .°F/BTU 0.71 m ² K/W				ASTM C518 (C177)
Water Absorption/ Vapor Sorption	< 1 % Weight								ASTM C1104
Compressive strength	418psf (20kPa) @ 10% compression								ASTM C165
Compliance	Complies with Type: IVB								ASTM C612
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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