

ProRox® SL 450^{NA}

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

Properties	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) Non-Combustible Linear Shrinkage: ≤ 1 % at 1200°F- (650°C)								ASTM C411 CAN4 S114 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				4.0 hr. ft ² .°F/BTU				ASTM C518 (C177)
	RSI value / 25.4mm @ 24°C				0.71 m ² K/W				
Water Absorption/ Vapor Sorption	< 1 % Weight								ASTM C1104
Compressive strength	418psf (20kPa) @ 10 % compression								ASTM C165
Compliance	Complies with Type: IVB								ASTM C612
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



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