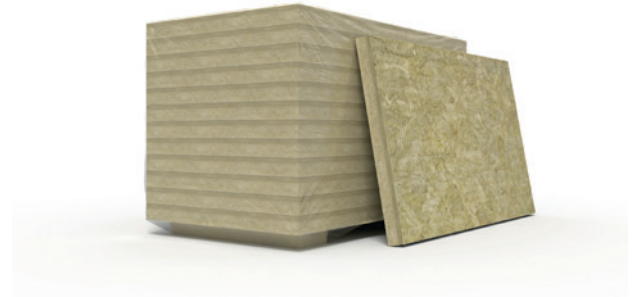


ProRox® SL 540^{NA}

ProRox® SL 540^{NA} is a pressure resistance rigid mineral wool (stone wool) insulation board designed for high temperature applications subjected to light mechanical loads.



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)	0.25	0.29	0.35	0.41	0.47	0.54	0.66	
	T_m (°C)	38	93	149	204	260	316	371	
	λ (W/mK)	0.036	0.042	0.050	0.059	0.068	0.078	0.095	
Maximum Service Temperature	Hot Surface Performance: 1200°F- (650°C) Non-Combustible Linear Shrinkage: ≤ 1 % at 1200°F- (650°C)								ASTM C411 ASTM E136 / 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 = 7.6 lb/ft ³ - (122 kg/m ³) Nominal Density = 10.0 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				0.74 m ² K/W				
Water Absorption/ Vapor Sorption	< 1 % Weight								ASTM C1104
Compressive strength	313psf (15kPa) @ 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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