

# ProRox® SL 540<sup>NA</sup>

ProRox® SL 540<sup>NA</sup> 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 <sub>m</sub> (°F)	100	200	300	400	500	600	700	ASTM C177
	λ (BTU.in/hr.ft <sup>2</sup> .°F)	0.25	0.29	0.35	0.41	0.47	0.54	0.66	
	T <sub>m</sub> (°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 <sup>3</sup> - (122 kg/m <sup>3</sup> ) Nominal Density = 10.0 lb/ft <sup>3</sup>								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 <sup>-</sup> , F <sup>-</sup> , Na <sup>+</sup> , SiO <sub>4</sub> <sup>4-</sup> ) Results fall within acceptability limits of ASTM C795								ASTM C795 / ASTM C871
Thermal Resistance	R-Value / inch @ 75°F				4.0 hr. ft <sup>2</sup> .°F/BTU				ASTM C518 (C177)
	RSI value / 25.4mm @ 24°C				0.74 m <sup>2</sup> 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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