

## ProRox® SL 540<sup>NA</sup>



Old name: ROXUL RHT® 100

### Product description & application

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

	Performance								Norms
<b>Thermal conductivity</b>	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	
<b>Maximum Service Temperature</b>	Hot Surface Performance: 1200 °F- (650 °C)								ASTM C411
	Non-Combustible								ASTM E136 / CAN4 S114
	Linear Shrinkage: ≤ 1 % at 1200 °F- (650 °C)								ASTM C356
<b>Reaction to fire</b>	Surface burning characteristics Flame spread index = 0 ; Smoke development index = 0								ASTM E84 (UL 723) CAN/ULC S102
<b>Density</b>	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
<b>Corrosion resistance **</b>	Stress Corrosion Cracking Tendency of Austenitic Stainless Steel = Passed Corrosion of Steel = Passed								ASTM C692 ASTM C665
<b>Chemical Analysis **</b>	[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
<b>Thermal Resistance</b>	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				
<b>Water Absorption/ Vapor Sorption</b>	< 1 % Weight								ASTM C1104
<b>Compressive strength</b>	≥ 313psf (15kPa) @ 10% compression								ASTM C165
<b>Compliance</b>	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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