

## ProRox® SL 590<sup>NA</sup>



Old name: ROXUL RHT® 150

### Product description & application

ProRox® SL 590<sup>NA</sup> is a pressure resistant rigid mineral wool (stone wool) insulation board designed for thermal insulation of tank tops (vessel heads) exposed to foot traffic or constructions subjected to heavy 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		ASTM C177
	λ [BTU.in/hr.ft².°F]	0.27	0.32	0.36	0.42	0.48		
	T <sub>m</sub> [°C]	38	93	149	204	260		
	λ [W/mK]	0.039	0.046	0.052	0.061	0.069		
<b>Maximum Service Temperature</b>	Hot Surface Performance: 1200 °F- (650 °C)							ASTM C411
	Non-Combustible							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 = 11.0 lb/ft³ - (176 kg/m³) Nominal Density = 15.0 lb/ft³							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 RSI value / 25.4mm @ 24 °C			4.0 hr. ft².°F/BTU 0.71 m² K/W			ASTM C518 (C177)	
<b>Water Absorption/ Vapor Sorption</b>	< 1 % Weight							ASTM C1104
<b>Compressive strength</b>	1000psf (50kPa) @10% compression [typical]							ASTM C165
<b>Compliance</b>	Complies with Type: IVA							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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