

ProRox® SL 590^{NA}

ProRox® SL 590^{NA} 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

Properties	Performance						Norms
Thermal conductivity	T_m (°F)	100	200	300	400	500	ASTM C177
	λ (BTU.in/hr.ft ² .°F)	0.27	0.32	0.36	0.42	0.48	
	T_m (°C)	38	93	149	204	260	
	λ (W/mK)	0.039	0.046	0.052	0.061	0.069	
Maximum Service Temperature	Hot Surface Performance: 1200°F- (650°C) Non-Combustible						ASTM C411 CAN4 S114
	Linear Shrinkage: $\leq 1\%$ at 1200°F- (650°C)						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 = 11.0 lb/ft ³ - (176 kg/m ³) Nominal Density = 15.0 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 RSI value / 25.4mm @ 24°C			4.0 hr. ft ² .°F/BTU 0.71 m ² K/W			ASTM C518 (C177)
Water Absorption/ Vapor Sorption	< 1 % Weight						ASTM C1104
Compressive strength	1000psf (50kPa) @ 10 % compression (typical)						ASTM C165
Compliance	Complies with Type: IVA						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



As ROXUL® Inc has no control over installation design and workmanship, accessory materials or application conditions, ROXUL® Inc. does not warranty the performance or results of any installation containing ROXUL® Inc's products. ROXUL® Inc's overall liability and the remedies available are limited by the general terms and conditions of sale. This warranty is in lieu of all other warranties and conditions expressed or implied, including the warranties of merchantability and fitness for a particular purpose.

®/TM: US - owner ROCKWOOL International A/S used under license; Canada - owner Roxul Inc.