

ProRox® SL 940^{NA}

ProRox SL 940 is a semi-rigid stone wool thermal insulation board for high temperature industrial applications.

Application

The board is suitable for the thermal and acoustic insulation of horizontal and vertical applications requiring a stable insulation product, such as tank walls, vessels and column.



Product properties in accordance with ASTM C612¹⁾

Property	Performance								Test standard
Thermal conductivity at mean temperature	T_m (°F)	100	200	300	400	500	600	700	ASTM C177
	λ (BTU.in/hr.ft ² .°F)	0.26	0.30	0.36	0.42	0.51	0.61	0.73	
	T_m (°C)	38	93	150	204	260	316	371	
	λ (W/mK)	0.038	0.043	0.052	0.061	0.074	0.088	0.105	
Maximum use temperature	1200°F (650°C)								ASTM C411 / C447
Linear shrinkage	≤ 2% at 1200°F (650°C)								ASTM C356
Reaction to fire	Flame spread index = 0 Smoke development = 0								ASTM E84 UL723 / CAN ULC 102
Corrosion resistance	Stress corrosion cracking tendency of austenitic stainless steel = passed Chemical analysis (Cl ⁻ , F ⁻ , Na ⁺ , SiO ₄ ⁴⁻): results fall within acceptability limits of ASTM C795								ASTM C692 / C795 ASTM C871 / C795
Water absorption	≤ 0.2 lb/ft ² (≤ 1.0 kg/m ²)								EN 1609 / ISO 29767
Vapor sorption	< 1% Weight								ASTM C1104
Density ²⁾	Nominal density 6.0 lb/ft ³ (80 kg/m ³), Actual density 4.4 lb/ft ³ (70 kg/m ³)								ASTM C303

1) All values are nominal values for standard industrial production. Standard industrial production tolerances applicable.

2) Density is not a performance criteria but is commonly referred to when specifying insulation. Actual density is the true density of the insulation and nominal density is the effective density of the insulation relative to a historic benchmark where the insulation contained 40% non-fibrous content also known as shot (ASTM C612-99).

Compliance

- ProRox SL 940 fully complies with the requirements as set by internationally recognized standards like ASTM C612 type IVB.
- ROCKWOOL stone wool insulation is made from volcanic rock and is not classified as a hazardous substance in accordance with Note Q, regulation (EC) No. 1272/2008.



Disclaimer

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