ProRox® SL 680NA



ProRox SL 680NA is a rigid, fire resistant stone wool slab which is especially designed for hydrocarbon fire protection.

Application

ProRox SL 680NA can be used to meet the requirements of the API 521 standard to provide hydrocarbon passive fire protection. The products will also provide a high degree of thermal and acoustic insulation.

Product properties in accordance with ASTM C 612

Product property	Performance							Norms
Thermal conductivity	T (°F)	100	200	300	400	500	600	700	ASTM C177
	λ (W/mK)	0.27	0.32	0.36	0.42	0.48	0.56	0.64	
	T (°C)	38	93	149	204	260	316	371	
	λ (W/mK)	0.039	0.046	0.052	0.061	0.069	0.079	0.091	
Maximum use temperature	1200 °F (649 °C)							ASTM C447 / C411
Linear shrinkage	≤ 4% @ 1,200 °F (649 °C)							ASTM C356
Surface Burning characteristics	Flame spread index ≤ 25; Smoke development index ≤ 50							ASTM E84/ CAN/ULC S102
Density	Actual density 11 lb/ft^3 (176 kg/m^3)							ASTM C303
Corrosion Resistance	Evaluation on external stress corrosion cracking tendency of austentic stainless steel = Passes							ASTM C692 / ASTM C795
	Chemical analysis for Cl^- , Fl^- , Na^+ , SiO_4^{4-} Results fall within acceptabliliy limits of ASTM C795							ASTM C871 / ASTM C795
Water absorption	< 1 kg/m^2							EN 1609 / EN ISO 29767

Compliance

- ProRox SL 680NA fully complies with the requirements as set by internationally recognized standards like ASTM C 612 IVA.
- Rockwool stonewool insulation is made from volcanic rock and is not classified as a hazourdous substance in accordance with Note Q, regulation (EC) No. 1272/2008.
- ProRox SL 680NA can be used to meet the requirements of the API 521 standard to provide hydrocarbon passive fire protection.

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