

ProRox® PS 980^{NA}



Old name: ROXUL STURDIROCK®

Product description & application

ProRox® PS 980^{NA} is a heavy duty, pressure resistant pre-formed mandrel wound mineral wool (stone wool) pipe section. The **highly durable** sections are supplied split and hinged for easy snap-on assembly, and are especially suitable for thermal and acoustic insulation of high temperature industrial pipe work subjected to heavy mechanical loads.

Product properties in accordance with ASTM C547

	Performance								Norms
Thermal conductivity	T _m (°F)	100	200	300	400	500	600	700	ASTM C335
	λ (BTU.in/hr.ft².°F)	0.25	0.28	0.34	0.40	0.46	0.56	0.60	
	T _m (°C)	38	93	149	204	260	316	371	
	λ (W/mK)	0.036	0.040	0.049	0.058	0.066	0.081	0.086	
Maximum Service Temperature	Hot Surface Performance: 1400 °F - (760 °C)								ASTM C411
	Sag Resistance: ≤ 2 % at 1400 °F - (760 °C)								ASTM C411
	Maximum Use Temperature: 1200 °F - (650 °C)								ASTM C447
	Linear Shrinkage: ≤ 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)
Nominal density	11.25 lb/ft³ - (180 kg/m³)								ASTM C302
Corrosion resistance **	Stress Corrosion Cracking Tendency of Austenitic Stainless Steel = Passed								ASTM C692
	Corrosion of Steel = Passed								ASTM C665
Chemical Analysis **	(Salts: Cl ⁻ , F ⁻ , Na ⁺ , SiO ₄ ⁴⁻) Results fall within acceptability limits of ASTM C795								ASTM C795 / ASTM C871
Water Absorption/ Vapor Sorption	< 1 % Weight								ASTM C1104
Compressive strength	>1100psf (53kPa) @10% compression								ASTM C165
Compliance	Complies with: Grade A Type I, II, IV, V								ASTM C547
	Inner & Outer Diameters for Nominal Pipe Sizes complies with:								ASTM C585
	ROXUL offers a wide range of facings, dimensions and thicknesses. Please contact ROXUL for further information.								

NOTE: ** Provisions for lot testing may be required, consult manufacturer.

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