

## ProRox® PS 980<sup>NA</sup>



Old name: ROXUL STURDIROCK®

### Product description & application

ProRox® PS 980<sup>NA</sup> 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 <sub>m</sub> (°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 <sub>m</sub> (°C)	38	93	149	204	280	316	371	
	λ (W/mK)	0.035	0.039	0.048	0.056	0.064	0.078	0.084	
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 <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
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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