

# ProRox® PS 970<sup>SA</sup>

with WR-Tech

ProRox PS 970 is a mandrel wound pipe section. The insulation sections are made out of stone wool and are produced with an innovative water repellent binder called WR-Tech to mitigate the risk of corrosion under insulation. A reinforced aluminum foil facing is available upon request.



## Application

The highly durable insulation 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 which is subjected to mechanical loads.

## Product properties in accordance with ASTM C547

Properties	Performance								Standard
	T <sub>m</sub> (°C)	50	100	150	200	250	300	350	
Thermal Conductivity	λ (W/mK)	0.038	0.043	0.048	0.055	0.063	0.072	0.082	ASTM C335
Nominal Density	150 kg/m <sup>3</sup>								ASTM C302
Maximum use temperature	1,200°F (650°C)								ASTM C447
Sag resistance	≤ 5% at 1,200°F (650°C)								ASTM C411
Linear shrinkage	≤ 2% at 1,200°F (650°C)								ASTM C356
Surface burning characteristics	Flame spread index = passed; Smoke development index = Passed								ASTM E84
Reaction to fire	EuroClass A1								EN 13501-1
Corrosion resistance	Evaluation on external stress corrosion cracking tendency of austenitic stainless steel = Passed Chemical analysis for Cl <sup>-</sup> , F <sup>-</sup> , Na <sup>+</sup> , SiO <sub>4</sub> <sup>4-</sup> : Results fall within acceptability limits of ASTM C795 Trace quantity of water leachable chloride ions: ≤10 ppm								ASTM C692 / ASTM C795 ASTM C871 / ASTM C795 EN 13468
Water absorption	≤ 0.04 lb/ft <sup>2</sup> (≤ 0.2 kg/m <sup>2</sup> ) ≤ 0.04 lb/ft <sup>2</sup> (0.2 kg/m <sup>2</sup> ) (After 24 hrs. pre-heating at 482°F (250°C))								EN 13472
Vapor sorption	< 1% Weight								ASTM C1104
Influence on coating systems	Free from substances (e.g. silicone oil) that might impair surface wetting								VW 3.10.7

## Compliance

- ProRox PS 970 Pipe Sections fully comply with the requirements as set by internationally recognized standards like EN 14303, CINI 2.2.03, VDI 2055, ASTM C795, ASTM C547: Grade A for Type I, II, IV.
- Above product properties reflect only to ASTM standards. Please contact our sales representatives for an extended list of approvals & certifications.

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