

ProRox® PS 970

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								Norms
Thermal conductivity at mean temperature	T_m (°F)	100	200	300	400	500	600	700	ASTM C335
	λ (BTU.in/hr.ft ² .°F)	0.26	0.31	0.35	0.41	0.47	0.55	0.62	
	T_m (°C)	38	93	149	204	260	316	371	
	λ (W/mK)	0.037	0.045	0.050	0.059	0.068	0.079	0.089	
Maximum use temperature	1,200°F (649°C)								ASTM C447
Sag resistance	≤ 2% at 1,200°F (649°C)								ASTM C411
Linear shrinkage	≤ 1% at 1,200°F (649°C)								ASTM C356
Surface burning characteristics	Flame spread index = 0; Smoke development index = 0								ASTM E84
Reaction to fire	Non combustible								IMO 2010 FTPC
Corrosion resistance	Evaluation on external stress corrosion cracking tendency of austenitic stainless steel = Passed Chemical analysis for Cl ⁻ , F ⁻ , Na ⁺ , SiO ₄ ⁴⁻ : 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 ² (≤ 0.2 kg/m ²) ≤ 0.04 lb/ft ² (≤ 0.2 kg/m ²) (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 ASTM C547: Grade A for Type I, II, IV. EN 14303, CINI 2.2.03, VDI 2055 and ASTM C795.
 - Above product properties reflect only to ASTM standards. Compliance and Performance according to European (EN) standards can be found on our website. Please contact our sales representatives for an extended list of approvals & certifications.
- + Noise reduction data available in accordance to ISO 15665.

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