ProRox® PS 970^{SA}

with WR-Tech

ProRox PS 970^{SA} 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
Thermal Conductivity	T_m (°C)	50	100	150	200	250	300	350	ASTM C335
	λ (W/mK)	0.038	0.044	0.050	0.059	0.068	0.078	0.089	
Nominal Density	150 kg/m^3								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^- , Fl^- , 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/ft2 (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^{SA} 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.

EUCEB

*Note: EUCEB only applicable for products produced in India & Malaysian factories

As ROCKWOOL has no control over insulation design and workmanship, accessory materials or applications conditions, ROCKWOOL does not warranty the performance or result of any installation containing ROCKWOOL products. ROCKWOOL's overall liability and the remedies available are limited by the general terms and conditions of sale. This warranty in lieu of all other warranties and conditions expressed or implied, including the warranties of merchantability and fitness for a particular purpose. ROCKWOOL reserves the right to make necessary product changes at any time. Technical specifications are thus stated subject to change.

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