

ProRox® PS 965

with CR-Tech

ProRox PS 965 is a mandrel wound pipe section insulation made from stone wool. Each pipe section includes our innovative CR-Tech (corrosion resistant technology) additive. Our proprietary corrosion inhibitor is applied to the interior of the insulation, right where it contacts the pipe surface. As standard all pipe sections will also include our high temperature water repellent WR-Tech. This powerful combination can help shield your pipe from the costly dangers of CUI.



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 industrial pipe work.

Product properties in accordance with ASTM C 547¹⁾

Property	Performance								Test standard
Thermal conductivity	T_m (°F)	100	200	300	400	500	600	700	ASTM C335
	λ (BTU.in/hr.ft ² .°F)	0.25	0.29	0.35	0.40	0.47	0.56	0.63	
	T_m (°C)	38	93	150	204	260	316	371	
	λ (W/mK)	0.036	0.042	0.050	0.058	0.068	0.081	0.091	
Maximum use temperature	1200 °F (650 °C)								ASTM C411 / C447
Sag resistance	≤ 2% at 1200 °F (650 °C)								ASTM C411 / C447
Linear shrinkage	≤ 2% at 1200 °F (650 °C)								ASTM C356
Reaction to Fire	Flame spread index ≤ 25								ASTM E84
	Smoke developed index ≤ 50								UL723 / CAN ULC S102
Corrosion resistance	Stress corrosion cracking tendency of austenitic stainless steel = passed								ASTM C692 / C795
	Chemical analysis (Cl ⁻ , F ⁻ , Na ⁺ , SiO ₄ ⁴⁻): results fall within acceptability limits of ASTM C795								ASTM C871 / C795
	Trace quantities of water soluble chloride ions: ≤ 10 mg/kg								EN 13468 / ISO 12624
Corrosion to steel	MLCR ²⁾ of steel when exposed to insulation extract plus 600 mg/kg chloride ≤ DI Water ³⁾								ASTM C1617
	MCLR ²⁾ of steel when exposed to extract from insulation that is pre-heated to 482 °F (250 °C) for 24hrs ≤ DI Water ³⁾								ASTM C1617
	Protection efficiency value = 0.1 ⁴⁾								ASTM G189 ⁵⁾
Water absorption	≤ 0.04 lb/ft ² (≤ 0.2 kg/m ²) at ambient conditions								EN 13472 / ISO 12623
	≤ 0.04 lb/ft ² (≤ 0.2 kg/m ²) after 24 hrs pre-heating at 482 °F (250 °C)								
Vapor sorption	< 1% weight								ASTM C1104
Density	Nominal density 8 lb/ft ³ (128 kg/m ³)								ASTM C 302

1) All values are nominal values for standard industrial production. Standard industrial production tolerances applicable. 2) MLCR - Mass Loss Corrosion Rate. 3) DI water = 0 mg/kg chloride. 4) A value of protection efficiency of less than 1.0 indicates reduction in the severity of corrosion relative to the control condition. 5) 96 hour CWD (wet 18hrs @60C and dry 4 hrs @150C and 2 hour transition), with 100 ppm chloride solution, Control specimen water repellent Mineral Wool without CR-Tech, no annulus gap around pipe.

Compliance

- ProRox PS 965 fully complies with the requirements as set by internationally recognized standards like ASTM C547 Grade A type I, II, IV, CINI 2.2.03 an EN14303.
- Noise reduction data available in accordance with ISO 15665.
- ROCKWOOL stone wool insulation is made from volcanic rock and is not classified as a hazardous substance in accordance with Note Q, regulation (EC) No. 1272/2008.

Disclaimer

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 Technical Insulation reserves the right to make necessary product changes at any time. Technical specifications are thus stated subject to change.

ROCKWOOL® Technical Insulation, ROCKWOOL®, SeaRox® and ProRox® are registered trademarks of ROCKWOOL International A/S and cannot be used without a prior written consent.