

# ProRox® PS 960<sup>NA</sup>

with WR-Tech

ProRox PS 960 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.



## 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 C547<sup>1)</sup>

Property	Performance								Test standard
Thermal conductivity at mean temperature	$T_m$ (°F)	100	200	300	400	500	600	700	ASTM C335
	$\lambda$ (BTU.in/hr.ft <sup>2</sup> .°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	
	$\lambda$ (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 1,200°F (650°C)								ASTM C411
Linear shrinkage	≤ 2% at 1,200°F (650°C)								ASTM C356
Reaction to fire	Flame spread index = 0 / Smoke development = 0 Non-combustible								ASTM E84 UL723 / CAN ULC 102 IMO 2010 FTPC
Corrosion resistance	Stress corrosion cracking tendency of austenitic stainless steel = passed Chemical analysis (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 quantities of water soluble chloride ions: ≤ 10 ppm								ASTM C692 / ASTM C795 ASTM C871 / ASTM C795 EN 13468 / ISO 12624
Water absorption	≤ 0.04 lb/ft <sup>2</sup> (≤ 0.2 kg/m <sup>2</sup> ) at ambient conditions ≤ 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 / ISO 12623
Vapor sorption	< 1% Weight								ASTM C1104
Influence on coating systems	Free from substances that may impair surface wetting								VW 3.10.7 / VDMA 24364
Density <sup>2)</sup>	Nominal density 8 lb/ft <sup>3</sup> (128 kg/m <sup>3</sup> ) / Actual density > 6.2 lb/ft <sup>3</sup> (> 100 kg/m <sup>3</sup> )								ASTM C 302

1) All values are nominal values for standard industrial production. Standard industrial production tolerances applicable.

2) Density is not a performance criteria but is commonly referred to when specifying insulation. Actual density is the true density of the insulation and nominal density is the effective density of the insulation relative to a historic benchmark where the insulation contained 40% non-fibrous content also known as shot (ASTM C612-99).

## Compliance

- ProRox PS 960 fully complies with the requirements as set by internationally recognized standards like ASTM C547 Grade A type I, II, IV, CINI 2.2.03 and 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.
- 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.

## Disclaimer

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