

ProRox® PS 960

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. 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 industrial pipe work.

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)	0.25	0.29	0.35	0.40	0.47	0.56	0.63	
	T_m (°C)	38	93	149	204	260	316	371	
	λ (W/mK)	0.036	0.042	0.050	0.058	0.068	0.081	0.091	
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 960 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.

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.

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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 EN 14303



Properties	Performance								Norms
Thermal conductivity at mean temperature	T_m (°C)	50	100	150	200	250	300	350	EN ISO 8497
	λ (W/mK)	0,040	0,046	0,054	0,064	0,077	0,092	0,112	
Maximum Service Temperature	650°C								EN 14707
Melting point	>1000°C								DIN 4102-17
Reaction to fire	Euroclass A1 _L Non combustible								EN 13501-1 IMO 2010 FTPC
Nominal density (*)	$\geq 100 \text{ kg/m}^3$								EN 13470
Corrosion resistance	Trace quantity of water leachable chloride ions: $\leq 10 \text{ ppm}$								EN 13468
Water absorption	$\leq 0,2 \text{ kg/m}^2$ $\leq 0,2 \text{ kg/m}^2$ (After 24 hrs. pre-heating at 250°C)								EN 13472
Water vapour diffusion resistance	$\mu = 1$								EN 14303
Influence on coating systems	Free from substances (e.g. silicone oil) that might impair surface wetting								VW 3.10.7
EN 14303 Designation code	MW EN 14303-T9(T8 if $D_o < 150$)-ST(+) ϕ 650-WS1-CL10								EN 14303
AGI Designation code	10.04.04.99.99								AGI Q132

(*) ProRox insulation fully complies with EN 14303. Density is not an insulation property in itself, it only reflects the actual weight of the product per cubic meter.

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 - Above product properties reflect only to European (EN) standards. Compliance and Performance according to ASTM standards can be found on our website. Please contact our sales representatives for an extended list of approvals & certifications.
 - Validity of CE Marking is restricted to the European production facilities. Validity of AGI designation code is restricted to the production facility in the Netherlands.
- + Noise reduction data available in accordance to ISO 15665

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