

ProRox PS 970

Application

ProRox PS 970 is a pre-formed heavy duty stonewool pipe section. The sections are supplied split and hinged for easy snap-on assembly and are especially suitable for the thermal and acoustic insulation of industrial pipe work which is exposed to high temperatures and light mechanical loads (e.g. vibrations). A reinforced aluminium foil facing is available on request.

Compliance

ProRox PS 970 Pipe Sections full comply with the requirements as set by internationally recognized standards like EN 14303, CINI 2.2.03, VDI 2055, AGI Q 132 designation code: 10.04.03.65.99, ASTM C547: Grade A for type I, II, IV.

Product properties

	Performance											Norms	
Thermal conductivity	T _m [°C]	50	100	150	200	250	300	350					EN ISO 8497 ASTM C335
	λ [W/mK]	0,040	0,046	0,053	0,062	0,073	0,085	0,099					
Maximum Service Temperature	680°C (1256°F)												EN 14707
	750°C (1382°F)												ASTM C411
Maximum surface performance	650°C (1200°F)												ASTM C447
Reaction to fire	EuroClass A1 _L												EN 13501-1
	Surface burning characteristics; Flame spread=passed, Smoke development=Passed												ASTM E84 (UL 723)
	ProRox PS 970 ALU: A2-S1,d0 if Do > 300 mm												
	ProRox PS 970 ALU: A2L-S1,d0 if Do ≤ 300 mm												
Nominal density*	140 kg/m³ [8,7 lb/ft³]												EN 13470
Water leachable chloride content	Chloride content < 10 ppm (AS - Quality)												EN 13468
	Conforms to the stainless steel corrosion specification as per ASTM test methods C 692 and C 871												ASTM C795
	< 10 mg/kg (ph-value neutral to slightly alkaline)												ASTM C871
Water Absorption	< 1 kg/m²												EN 13472
	Water vapour absorption (Vapor sorption) ± 0,02%vol												ASTM C1104/C1104M
	ProRox PS 970 ALU: Sd > 200 m												
Water vapour diffusion resistance	μ = 1												EN 14303
Air Flow Resistivity	> 90 kPa.s/m²												EN 29053
Designation code	MW EN 14303-T9(T8 if D _o < 150)-ST(+)-680-WS1-CL10												EN 14303
	ProRox PS 970 ALU: MW EN 14303-T9(T8 if Do < 150)-ST(+)-650-WS1-CL10-MV2												

*) ROCKWOOL 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.

