

ProRox® SL 970

ProRox SL 970 is a strong and rigid stone wool slab suitable for the thermal and acoustic insulation of constructions where higher temperatures and light mechanical loads (e.g. vibrations occur). Typical examples are ovens, furnaces and exhaust ducts.



Product properties

Properties	Performance												Norms
Thermal conductivity	T_m (°C)	50	100	150	200	250	300	350	400	500	600	680	EN 12667
	λ (W/mK)	0,041	0,046	0,052	0,059	0,068	0,077	0,087	0,099	0,128	0,162	0,196	ASTM C177
Maximum Service Temperature	680°C (1256°F)												EN 14706
	750°C (1382°F)												ASTM C411
Reaction to fire	Euroclass A1												EN 13501-1
	Surface burning characteristics; Flame spread=passed, Smoke development=Passed												ASTM E84 (UL 723)
Nominal density	115 kg/m ³ (7,2 lb/ft ³)												EN 1602
Corrosion resistance	Conforms to the stainless steel corrosion specification as per ASTM test methods C 692 and C 871												ASTM C795
	Trace quantity of water leachable chloride ions: ≤ 10 ppm												EN 13468
Water Absorption	< 1 kg/m ²												EN 1609
	Water vapour absorption (Vapor sorption) $\pm 0,02\%$ vol												ASTM C1104/C1104M
Water vapour diffusion resistance	$\mu = 1$												EN 14303
Designation code	MW EN 14303-T4(T3 if $t < 60$)-ST(+) μ 680-WS1-CL10												EN 14303

Compliance

ProRox SL 970 Slabs fully comply with the requirements as set by internationally recognized standards like EN14303, CINI 2.2.01 and ASTM C612 Type IA, IB, II, III, IVA and IVB.

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