

ProRox® SL 540

ProRox SL 540 is a highly compression resistant stone wool slab for thermal and acoustic insulation of constructions where high temperatures and light mechanical loads occur.



Product properties

Properties	Performance												Norms
Thermal conductivity	T_m (°C)	50	100	150	200	250	300	350	400	500	600	700	EN 12667
	λ (W/mK)	0,042	0,047	0,052	0,057	0,064	0,072	0,082	0,093	0,117	0,147	0,181	
Maximum Service Temperature	700°C (1292°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	160 kg/m ³ (10,0 lb/ft ³)												EN 1602
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
Compression resistance	> 25 kPa (at 10% deformation)												EN 826
Designation code	MW EN 14303-T4(T3 if $t < 40$)-ST(+)-700-CS(10)25(if $t \geq 50$)-WS1												EN 14303

Compliance

ProRox SL 540 Slabs comply with the requirements as set by EN14303, CINI 2.2.01 and ASTM C612: type IA, IB, II, III, IVA.

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