

ProRox SL 580
Old Equivalent Grade: ROCKWOOL CRS

Compression resistant slab



Applications

ProRox SL 580 is a pressure resistant stone wool slab with high resistance to mechanical loads. The compression resistant slab is developed for the thermal insulation of tank roofs subjected to pedestrian traffic, and the thermal and acoustic insulation of construction subjected to a mechanical load.

Compliance

ProRox SL 580 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.

Advantages

- Resistant to foot traffic
- Available in a wide range of thicknesses

Product properties

	Performance							Standard
	Mean Temp (°C)	50	100	150	200	250	300	
Thermal Conductivity	λ (W/mK)	0.038	0.042	0.048	0.055	0.064	0.074	ASTM C177
Nominal Density	150 kg/m ³							ASTM C303
Maximum Service Temperature	250°C							ASTM C411 / C447
Linear shrinkage	Less than 2% (at max service temperature)							ASTM C356
Reaction to Fire	EuroClass A1 Surface burning characteristic; Flame spread = Passed, Smoke development = Passed							EN 13501-1 ASTM E84
Chloride Content	Less than 10 ppm Conforms to the stainless steel corrosion specification as per ASTM C795							ASTM C871 ASTM C692 / C871
Moisture Absorption	Less than 1% weight							ASTM C1104 / C1104M
Water Absorption	Less than 1 kg/m							EN 1609
Compressive Strength	Up to 50kPa (At 10% deformation)							EN 826

Note: All information and data for technical parameters are based on laboratory testing.