

ProRox® SL 580

ProRox SL 580 is a pressure-resistant stone wool slab with high resistance to mechanical loads.



Product properties

| Properties | Performance | | | | | | Norms |
|-----------------------------------|--|-------|-------|-------|-------|-------|-----------------------|
| Thermal conductivity | T_m (°C) | 50 | 100 | 150 | 200 | 250 | EN 12667 |
| | λ (W/mK) | 0,041 | 0,047 | 0,053 | 0,060 | 0,067 | |
| Maximum Service Temperature | 250°C (482°F) | | | | | | EN 14706 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 | 150 kg/m ³ (9,4 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 | > 50 kPa (at 10% deformation) | | | | | | EN 826 |
| Designation code | MW EN 14303-T4(T3 if $t < 40$)-ST(+)-250-CS(10)50(if $t \geq 50$)-WS1 | | | | | | EN 14303 |

Compliance

The pressure resistant slab is developed for the thermal insulation of tank roofs subjected to pedestrian traffic, and the thermal/acoustic insulation of constructions subjected to a mechanical load.

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