

ProRox® SL 586



ProRox SL 586 is a pressure-resistant rigid stone wool insulation slab (board).

Application

The slab (board) is suitable for the thermal and acoustic insulation of high-temperature industrial applications exposed to foot traffic or constructions subjected to heavy mechanical loads, such as tank roofs.

Product properties in accordance with EN 14303



| Properties | Performance | | | | | | | | | | | | | Norms |
|---|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|-------|
| Thermal conductivity | T (°C) | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 500 | 600 | 650 | EN 12667 | |
| | λ (W/mK) | 0,043 | 0,048 | 0,054 | 0,061 | 0,068 | 0,077 | 0,086 | 0,097 | 0,119 | 0,145 | 0,160 | | |
| Maximum service temperature | 650 °C | | | | | | | | | | | | EN 14706 | |
| Reaction to fire | Euroclass A1 | | | | | | | | | | | | EN 13501-1 | |
| Nominal density | 150 kg/m ³ | | | | | | | | | | | | EN 1602 | |
| Corrosion resistance | Trace quantity of water leachable chloride ions: ≤ 10 mg/kg | | | | | | | | | | | | EN 13468 | |
| Water absorption | ≤ 1 kg/m ² | | | | | | | | | | | | EN 1609 | |
| Water vapour diffusion resistance | $\mu = 1$ | | | | | | | | | | | | EN 14303 | |
| Compressive stress at 10% deformation | 50 kPa | | | | | | | | | | | | EN 826 | |
| Tensile strength perpendicular to faces | 10 kPa | | | | | | | | | | | | EN 1607 | |
| Pointload at 5 mm deformation | 400 N | | | | | | | | | | | | EN 12430 | |
| Designation code | MW EN 14303-T4(T3 if t<60)-ST(+)-650-CS(10)50-WS1-CL10 | | | | | | | | | | | | EN 14303 | |

Compliance

ProRox SL 586 slabs fully comply with the requirements as set by internationally recognized standards like EN 14303, CINI 2.2.01 and ASTM C612.

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