

ProRox® SL 980

ProRox SL 980 is a strong and rigid stonewool slab especially designed for the thermal and acoustic insulation of constructions where high demands are made on the temperature resistance and mechanical strength of the insulation.



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) | 0,040 | 0,044 | 0,049 | 0,055 | 0,062 | 0,069 | 0,077 | 0,086 | 0,106 | 0,130 | 0,158 | |
| 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 | 145 kg/m ³ (9,1 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 | | | | | | | | | | | | EN13468 |
| Water Absorption | < 1 kg/m ² | | | | | | | | | | | | EN13468 |
| | 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 $t < 40$)-ST(+)-700-WS1-CL10 | | | | | | | | | | | | EN 14303 |

Compliance

ProRox SL 980 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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