

ProRox SL 540^{SA}

Old Equivalent Grade: RockTech S650.160.HC

Compression resistant slab**Applications**

ProRox SL 540^{SA} is a highly pressure resistant stone wool slab for the thermal and acoustic insulation of constructions where high temperatures and mechanical loads (e.g. vibrations) occur.

Compliance

ProRox SL 540^{SA} Slabs comply with the requirements as set by internationally recognized standards like EN14303, CINI 2.2.01 and ASTM C612 Type IA, IB, II, III and IVA.

Advantages

- Excellent thermal and acoustic insulation
- Resistant to high temperatures
- Resistant to mechanical loads

Product properties

| | Performance | | | | | | | Standard |
|-----------------------------|---|-------|-------|-------|-------|-------|-------|---------------------------------|
| Thermal Conductivity | Mean Temp (°C) | 50 | 100 | 150 | 200 | 250 | 300 | ASTM C177 |
| | λ (W/mK) | 0.038 | 0.045 | 0.052 | 0.062 | 0.070 | 0.079 | |
| Nominal Density | 160 kg/m ³ | | | | | | | ASTM C303 |
| Maximum Service Temperature | 650°C | | | | | | | ASTM C411/ C447 |
| Linear Shrinkage | Less than 2% (at max service temperature) | | | | | | | ASTM C356 |
| Reaction to Fire | EuroClass A1 Surface burning characteristics; 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 ² | | | | | | | EN 1609 |

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