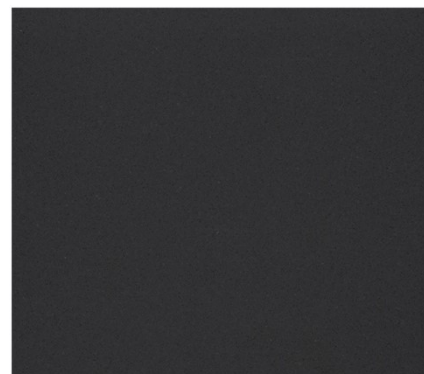


TECHNICAL DATA FOR QUARTZ BASED ENGINEERED STONES

| | |
|------------------------|---|
| Product: | CALEDONIA |
| Brand name: | SM QUARTZ® |
| Composition: | 7 - 10 % Resin, 90 - 93 % Quartz |
| Surface finish: | Polished, Silk |
| Slabs size (cm): | 320x155, 330x165 |
| Slabs thickness* (cm): | 2,0 - 3,0 |



* Other sizes and thicknesses available on request

| Characteristics | Standard | Value | Notes |
|--------------------------------------|-------------|---|--------------------------------|
| Apparent density | EN 14617-1 | 2350 - 2450 Kg/m ³ | |
| Water absorption | EN 14617-1 | ≤ 0,10 % | |
| Flexural strength | EN 14617-2 | 45 - 60 Mpa | |
| Abrasion resistance | EN 14617-4 | 27 - 29 mm | |
| Frost resistance | EN 14617-5 | KM _{f25} 0,9 - 1,2 | |
| Thermal shock resistance | EN 14617-6 | Δm% ≤ 0,07 % | Test temperature: 70°C |
| | | ΔR _{f,20} ≤ 20 % | |
| Impact resistance | EN 14617-9 | 2,0 - 3,0 J | For thickness 12 mm |
| | | ≥ 4,0 J | For thickness 20 mm, 30 mm |
| Chemical resistance | EN 14617-10 | C4 | |
| Linear thermal expansion coefficient | EN 14617-11 | 21 - 32 x 10 ⁻⁶ °C ⁻¹ | |
| Dimensional stability | EN 14617-12 | Classe A (<0,3 mm) | Referred to tiles 30x30x1,2 cm |
| Electrical resistivity | EN 14617-13 | ρ _s ≥ 10 ¹⁰ Ω | Referred to surface |
| | | ρ _v ≥ 10 ⁸ Ω m | Referred to volume |
| Compression resistance | EN 14617-15 | 150 - 250 MPa | |
| Mohs hardness | EN 101 | up to 7 Mohs | |
| Thermal conductivity | EN 12524 | 1,3 W/(m K) | From tabulated values |
| Reaction to fire | ASTM E84 | Class A | US standard |
| Reaction to fire | EN 13501-1 | A2-s2,d0 | Walls |
| Reaction to fire | EN 13501-1 | A2 _{fl} -s1 | Flooring |
| Slip resistance | EN 14231 | ≥ 35 (Dry) | |
| | | ≥ 3 (Wet) | |
| Slip resistance | DIN 51130 | R9 | For Honed H9 |