

Technical characteristics

| TECHNICAL CHARACTERISTICS ISO 13006:1998 | | REFERENCE STANDARD | REQUIRED VALUE | MEAN VALUE |
|--|---|-----------------------------|--------------------------|--|
| PHYSICAL CHARACTERISTICS | Water absorption | EN-ISO 10545-3 | ≤ 0,5 % | ≤ 0,2 % |
| | Breaking strength | EN-ISO 10545-4 | ≥ 1,300 N | Standard overtakes |
| | Bending strength | EN-ISO 10545-4 | ≥ 50 N / mm ² | Standard overtakes |
| | Resistance to impact | EN-ISO 10545-5 | - | > 0.80 |
| | Resistance to deep abrasion | EN-ISO 10545-6 | ≤ 175 mm ³ | ≤ 135 mm ³ |
| | Resistance to fire | UNE-EN 13501:1:07 + A1:2010 | - | A ₁ |
| | Lineal thermal expansion | EN-ISO 10545-8 | - | ≤ 9 x 10 ⁻⁶ K ⁻¹ |
| | Thermal shock resistance | EN-ISO 10545-9 | - | Resist |
| | Mohs surface hardness | EN 101 | Min. 5 | 6 - 9 |
| | Frost resistance | EN-ISO 10545-12 | - | Resist |
| CHEMICAL CHARACTERISTICS | Resistance to household cleaning products and swimming pool additives | EN-ISO 10545-13 | - | - |
| | Resistance to acids and bases in low concentration | EN-ISO 10545-13 | - | - |
| | Resistance to staining | EN-ISO 10545-14 | Class 3 Min. | Class 5 |

Ceralsio is a non-toxic environmentally-friendly product that complies with European legislation under current EU regulation no. 305/2011 of the European Parliament and the Council and specific standards applicable to the tile sector.

All first-choice Ceralsio ceramic surfaces comply with and even surpass ISO standards 13006:1998 and EN 14411:2003 regarding the definition, classification, characteristics and marking of ceramic tile materials.

Ceralsio also has a Quality Control System, which it applies to the whole manufacturing and storage process.