

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.