

Technical characteristics

TECHNICAL CHARACTERISTICS ISO 13006		REFERENCE STANDARD	REQUIRED VALUE	MEAN VALUE
PHYSICAL CHARACTERISTICS	Water absorption	EN-ISO 10545-3	≤ 0,5 %	≤ 0,1 %
	Breaking strength	EN-ISO 10545-4	20mm & 12mm ≥ 1,300 N	Surpasses Standard
	Bending strength	EN-ISO 10545-4	≥ 35 N / mm ²	Surpasses Standard
	Resistance to impact	EN-ISO 10545-5	≥ 0.55 without visible defects	> 0.80 without visible defects
	Resistance to deep abrasion	EN-ISO 10545-6	≤ 175 mm ³	≤ 135 mm ³
	Resistance to fire	UNE-EN 13501:1:07 + A1	-	A ₁
	Lineal thermal expansion	EN-ISO 10545-8	-	≤ 9 x 10 ⁻⁶ K ⁻¹
	Thermal shock resistance	EN-ISO 10545-9	-	Resistant
	Mohs surface hardness	EN 101	Min. 5	6 – 9
	Frost resistance	EN-ISO 10545-12	-	Resistant
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

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

All first-choice Inalco MDi surfaces comply with and even surpass ISO standards 13006 and EN 14411.

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