



EN14411:2006; Anexo G; grup B _{1a}		Standard Required by the Norm		Mean Value		Test Norm
	Dimensional characteristics	Linear dimensions Orthogonilty Straightness of edges Flatness Thickness	± 0,5% ± 0,6% ± 0,5% ± 0,5% ± 5% ± 10% (≤10x10cm)	± 0,2% ± 0,3% ± 0,2% ± 0,2% ± 3% except 60x60cm: ± 0,4mm		NP EN ISO 10545-2
	Water absorption in %	E ≤ 0,5%		≤ 0,08%		NP EN ISO 10545-3
	Breaking strengh in N • Rupture modulus N/mm ²	(<7,5mm) ≥700N (≥7,5mm) ≥1300N	≥35 N/mm ²	(7,8mm) ≥ 1600N (8,3mm) ≥1800N (8,7mm) ≥ 2100N (9,0mm) ≥ 2200N (9,2mm) ≥ 2300N (9,5mm) ≥ 2400N (10,0mm) ≥ 2900N (10,5mm) ≥ 3100N (11,0mm) ≥ 3300N (12,0mm) ≥ 3700N (13,0mm) ≥ 4300N (14,0mm) ≥ 5000N	≥ 45N/mm ² ≥ 460Kg/cm ² except: GRANO	NP EN ISO 10545-4
	Deep scratch resistance	≤ 175 mm ³		130mm ³		NP EN ISO 10545-6
	Linear thermal dilatation (×10 ⁻⁶ k ⁻¹)			≤ 7x10 ⁻⁶ k ⁻¹		NP EN ISO 10545-8
	Resistance to thermal shock			Resistant		NP EN ISO 10545-9
	Frost resistance	Must not produce noticeable alterations to surface		Resistant		NP EN ISO 10545-12
	Resistance to household products and swimming-pool additives	Min. UB		Guaranteed		NP EN ISO 10545-13
	Resistance to low/ high concentrations of acids and alkalis	Requested		To be confirmed		NP EN ISO 10545-13
	Resistance to staining			≥ Classe 2		NP EN ISO 10545-14
	Cadmium and lead release	For special surfaces (ex. kitchen counters)		Test upon request		NP EN ISO 10545-15
	Anti-slip features (slipperiness)	Test upon request		To be confirmed		DIN 51130 DIN 51097 ENV 12633

The products having an absorption <0,5% are classified according to the UNI CEN standards "Fully Vitrified Tiles" and according to the ASTM "Impervious Tiles".