FOURTEEN series- Technical specifications

ISO 13006 - EN 14411 - ISO 10545 Standards

Nominal sizes (cm): **60x60**	Thickness (mm) : **14**
Sides: **Rectified**	Surface: **matt**
Classement UPEC : **U4 P4s E3 C2**	Product Group: **BIa-UGL**

Technical characteristics		**Test method**	**EN 14411 and ISO 13006 requirements**	**Italcer Average values**
Dimensions	Length and width	EN ISO 10545-2 + Cahier CSTB 3778_V6 Annexe 9	± 1.2 mm	Compliant
	Straightness of sides		± 1.5 mm	Compliant
	Diagonal difference		≤ 1.3 mm	Compliant
	Flatness of sides		-1.2 mm and +1.8 mm	Compliant
	Flatness of center		± 0.5 mm	Compliant
	Thickness		±5% and ± 0.5 mm	Compliant
Water absorption		EN ISO 10545-3	≤ 0.5%	<0.1%
Modulus of rupture		EN ISO 10545-4	≥ 45 N/mm^2	> 45 N/mm^2
Breaking strength (S)		EN ISO 10545-4	≥ 1300 N	> 5500 N
Abrasion resistance		EN ISO 10545-7	Preserved decoration	Compliant
Resistance to heavy impact		Cahier n° 3778_V6 Annexe 6	No alterations	Compliant
Linear thermal expansion		ISO 10545-8	Declared value	$\alpha \leq 7.1x10^{-6}$ $°C^{-1}$
Thermal shock resistance		ISO 10545-9	No alterations	Resistant
Frost resistance		ISO 10545-12	No alterations	Resistant
Chemical resistance		ISO 10545-13	Declared value	LA – HA
Household chemicals resistance		ISO 10545-13	B min.	A
Stain resistance		ISO 10545-14	Class 3 min.	Class 5
Mohs Hardness		UNI EN 101	5 Min.	6
Shade variation		ANSI A 137.1	Not required	V2
Fire reaction		UNI EN 13501-1	-	A1FL class
Thermal Conductivity		EN 12524	Not required	λ = 1.3 W/m·°K
Light and colour fastness		DIN 51094	Not required	No variations

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Italcer Quality Department