




















20 mm / FINE PORCELAIN STONEWARE

	E.N. 14411-ISO 13006 . Appendix G. Group BIa. UGL	Test method	Reference value	Declared value
	Dynamic coefficient of friction (section 9.6 ANSI A 137.1 2012)	DCOF	>0,42 wet	>0,42 wet SLATE-HAMMERED
	Barefoot slip resistance	DIN-EN-16165-ANNEX-A	-	Cl. A+B+C SLATE-HAMMERED
	Slip resistance with shoes	DIN-EN-16165-ANNEX-B	-	R11 SLATE-HAMMERED
	Length and width: admitted deviation, in %, of the average size of each tile from the production dimensions	ISO10545-2	±0,5% (±2 mm)	± 0,15% *
	Maximum right-angle deviation, in %, in relation to the corresponding production dimensions	ISO10545-2	±0,3% (±1,5 mm)	±0,2% *
	Flatness (centre curvature / edge curvature / warpage)	ISO10545-2	+0,5% -0,3% (+2mm, -1,5 mm) / +0,5% -0,3% (+2mm, -1,5 mm) / ±0,5% (± 2mm)	± 0,35%
	Maximum straightness deviation, in %, in relation to the corresponding production dimensions	ISO10545-2	±0,3% (±1,5 mm)	±0,1% *
	Admitted deviation, in %, of the average thickness of each tile from the production dimensions	ISO-10545-2	±5% (±0,5 mm)	±5% *
	Surface quality	ISO-10545-2	Il 95% min delle piastrelle deve essere esente da difetti visibili / At least 95% of the tiles must be free from visible flaws / 95% min des carreaux ne doivent présenter aucun défaut visible / Mindestens 95% der Fliesen müssen frei von sichtbaren / mín. el 95% de las baldosas tiene que estar exento de defectos visibles	CONFORME / CONFORMING / CONFORME / KONFORME / CONFORME / COOTBETCTBYET
	Amount of water absorbed, in percentage	ISO-10545-3	E≤0,5%	average value 0,08%
	Bending strength in N/mm2	ISO-10545-4	>35 N/mm2	average value 52 N/mm2
	Breaking strength in N (thickness >= 7,5 mm)	ISO-10545-4	≥1300 Newton	average value 14000 N
	Resistance to deep abrasion of unglazed tiles	ISO-10545-6	<175 mm3	average value 140 mm3
	Thermal shock resistance	ISO-10545-9	-	RESISTE / RESISTANT / RÉSISTE / ERFÜLLT / RESISTE / УСТОЙЧИВ

	Frost resistance	ISO-10545-12	Richiesta / Required / Requite / Gefordert / Requerida	RESISTE / RESISTANT / RÉSISTE / ERFÜLLT / RESISTE / УСТОЙЧИВ
	Resistance to high concentrations of acids and alkali	ISO-10545-13	Come dichiarato dal produttore / See manufacturer's declaration / Selon déclaration du producteur / Entsprechend der Herstellerangaben / Tal como declara el fabricante	UHA
	Resistance to low concentrations of acids and alkali	ISO-10545-13	Come dichiarato dal produttore / See manufacturer's declaration / Selon déclaration du producteur / Entsprechend der Herstellerangaben / Tal como declara el fabricante	ULA
	Resistance to domestic chemicals and additives for swimming pools	ISO-10545-13	UB minimo / UB minimum / UB minimum / UB mindestens / UB minimo	UA
	Resistance to staining	ISO-10545-14	-	Cl. 3-4

Note:

Ceramic tiles undergo a compacting thermal treatment that ensures resistance and durability. The low level of water absorption makes the slabs frost resistant. This could result in superficial water stagnations even if materials are installed in a workmanlike manner.















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*Standards not applicable to 20,2x20,2 and 20,2x30,4 sizes for characteristic irregular shaped borders

Calibration of this product is not exact; please consider a 3 to 7 mm joint.

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Sede Legale: Via Canaletto 24, 41042 Fiorano Modenese.
Reg. Imprese di Modena Nr. 01265320364.
Capitale Sociale i.v. Euro 50.000.000 PI/CF 01265320364

9 mm / FINE PORCELAIN STONEWARE

	E.N. 14411-ISO 13006 . Appendix G. Group BIa. UGL	Test method	Reference value	Declared value
	Dynamic coefficient of friction (section 9.6 ANSI A 137.1 2012)	DCOF	>0,42 wet	>0,42 wet SLATE-HAMMERED
	Dynamic coefficient of friction (section 9.6 ANSI A 137.1 2012)	DCOF	>0,42 wet	>0,42 wet MATTE
	Barefoot slip resistance	DIN-EN-16165-ANNEX-A	-	Cl. A+B MATTE
	Barefoot slip resistance	DIN-EN-16165-ANNEX-A	-	Cl. A+B+C SLATE-HAMMERED
	Slip resistance with shoes	DIN-EN-16165-ANNEX-B	-	R9 MATTE
	Slip resistance with shoes	DIN-EN-16165-ANNEX-B	-	R11 SLATE-HAMMERED
	Length and width: admitted deviation, in %, of the average size of each tile from the production dimensions	ISO-10545-2	Squadrato ISO 13006 - $\pm 0,3\%$ (± 1 mm)	$\pm 0,15\%$
	Maximum right-angle deviation, in %, in relation to the corresponding production dimensions	ISO-10545-2	Squadrato ISO 13006 - $\pm 0,3\%$ ($\pm 1,5$ mm)	$\pm 0,2\%$
	Flatness (centre curvature / edge curvature / warpage)	ISO-10545-2	Squadrato ISO 13006 - $\pm 0,4\%$ ($\pm 1,8$ mm)	$\pm 0,35\%$
	Maximum straightness deviation, in %, in relation to the corresponding production dimensions	ISO-10545-2	Squadrato ISO 13006 - $\pm 0,3\%$ ($\pm 0,8$ mm)	$\pm 0,1\%$
	Admitted deviation, in %, of the average thickness of each tile from the production dimensions	ISO-10545-2	$\pm 5\%$ ($\pm 0,5$ mm)	$\pm 5\%$
	Surface quality	ISO-10545-2	Il 95% min delle piastrelle deve essere esente da difetti visibili / At least 95% of the tiles must be free from visible flaws / 95% min des carreaux ne doivent présenter aucun défaut visible / Mindestens 95% der Fliesen müssen frei von sichtbaren / mín. el 95% de las baldosas tiene que estar exento de defectos visibles	CONFORME / CONFORMING / CONFORME / KONFORM / CONFORME / COOTBETCTBYET
	Amount of water absorbed, in percentage	ISO-10545-3	$E \leq 0,5\%$	average value 0,08%
	Bending strength in N/mm2	ISO-10545-4	>35 N/mm2	average value 50 N/mm2

	Breaking strength in N (thickness $\geq 7,5$ mm)	ISO-10545-4	≥ 1300 Newton	average value 2200 N
	Resistance to deep abrasion of unglazed tiles	ISO-10545-6	< 175 mm ³	average value 140 mm ³
	Thermal shock resistance	ISO-10545-9	-	RESISTE / RESISTANT / RÉSISTE / ERFÜLLT / RESISTE / УСТОЙЧИВ
	Frost resistance	ISO-10545-12	Richiesta / Required / Requisite / Gefordert / Requerida	RESISTE / RESISTANT / RÉSISTE / ERFÜLLT / RESISTE / УСТОЙЧИВ
	Resistance to low concentrations of acids and alkali	ISO-10545-13	Come dichiarato dal produttore / See manufacturer's declaration / Selon déclaration du producteur / Entsprechend der Herstellerangaben / Tal como declara el fabricante	ULB HIGH-GLOSSY
	Resistance to low concentrations of acids and alkali	ISO-10545-13	Come dichiarato dal produttore / See manufacturer's declaration / Selon déclaration du producteur / Entsprechend der Herstellerangaben / Tal como declara el fabricante	ULA MATTE
	Resistance to low concentrations of acids and alkali	ISO-10545-13	Come dichiarato dal produttore / See manufacturer's declaration / Selon déclaration du producteur / Entsprechend der Herstellerangaben / Tal como declara el fabricante	ULA SLATE-HAMMERED
	Resistance to domestic chemicals and additives for swimming pools	ISO-10545-13	UB minimo / UB minimum / UB minimum / UB mindestens / UB minimo	UA
	Resistance to staining	ISO-10545-14	-	Cl. 4 SLATE-HAMMERED
	Resistance to staining	ISO-10545-14	-	Cl. 4-5 MATTE
	Resistance to staining	ISO-10545-14	-	Cl. 4 HIGH-GLOSSY

Note:

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