




















## 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
	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	ISO-10545-2	Squadrato ISO 13006 - $\pm 0,3\%$ ( $\pm 1$ 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/mm <sup>2</sup>	ISO-10545-4	>35 N/mm <sup>2</sup>	average value 52 N/mm <sup>2</sup>
	Breaking strength in N (thickness $\geq 7,5$ mm)	ISO-10545-4	$\geq 1300$ Newton	average value 14000 N
	Resistance to deep abrasion of unglazed tiles	ISO-10545-6	<175 mm <sup>3</sup>	average value 140
	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. 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.


For optimal installation results, Florim recommends maintaining a joint of 2 mm 1/12" for single format installations and 3 mm 1/8" to combine mixed formats.

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## 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
	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	-	R11 SLATE-HAMMERED
	Slip resistance with shoes	DIN-EN-16165-ANNEX-B	-	R10 MATTE
	Length and width: admitted deviation, in %, of the average size of each tile from the production dimensions	ISO-10545-2	Squadrato ISO 13006 - $\pm 0,3\%$ ( $\pm 1$ 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/mm <sup>2</sup>	ISO-10545-4	>35 N/mm <sup>2</sup>	average value 50 N/mm <sup>2</sup>
	Breaking strength in N (thickness $\geq 7,5$ mm)	ISO-10545-4	$\geq 1300$ Newton	average value 2200 N

Resistance to deep abrasion of unglazed

	tiles	ISO-10545-6	<175 mm <sup>3</sup>	average value 140
	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 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. 4

**Note:**

For optimal installation results, Florim recommends maintaining a joint of 2 mm 1/12" for single format installations and 3 mm 1/8" to combine mixed formats.