## 6 mm / Fine Porcelain Stoneware

| | E.N. 14411-ISO 13006 . Appendix G. Group BIa. UGL | Test method | Reference value | Declared value |
|---|---|---|---|---|
|  | Friction coefficient (slipperiness) | ANSI-A326.3 | - | > 0,42 wet |
|  | Pendulum friction test | BS-EN-16165-ANNEX-C | - | PTV > 36 wet slider 4S |
|  | Barefoot slip resistance | DIN-EN-16165-ANNEX-A | - | 18° ≤ α < 24° Cl. B |
|  | Slip resistance with shoes | DIN-EN-16165-ANNEX-B | - | 10° ≤ α < 19° R10 |
|   | Release of hazardous substances | DM-1-2-2007-Reg-CE-1935-2004 | Valore dichiarato per superfici gl con impieghi su piani di lavoro / Declared value for gl surfaces used on worktops / valeur déclarée Pour surfaces gl utilisées sur plans de travail /angegebener wert für Gl oberflächen zum gebrauch als arbeitsplatten / valor declarado Para acabados gl utilizados para superficies de trabajo / заявленное Значение для глазурованных поверхностей, с использованием на рабочих столах | CONFORME / CONFORMING / CONFORME / KONFORM / CONFORME / СООТВЕТСТВУЕТ |
|  | Maximum straightness deviation, in %, in relation to the corresponding production dimensions | ISO-10545-2 | Squadrato ISO 13006 - ±0,3% (±0,8 mm) | ± 0,1% |
|  | Flatness (centre curvature / edge curvature / warpage) | ISO-10545-2 | Squadrato ISO 13006 - ±0,4% (±1,8 mm) | ±0,2% |
|  | Length and width: admitted deviation, in %, of the average size of each tile from the production dimensions | ISO-10545-2 | Squadrato ISO 13006 - ±0,3% (±1 mm) | ± 0,15% |
|  | 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 / СООТВЕТСТВУЕТ |
|  | Maximum right-angle deviation, in %, in relation to the corresponding production dimensions | ISO-10545-2 | Squadrato ISO 13006 - ±0,3% (±1,5 mm) | ± 0,2% |
|  | Admitted deviation, in %, of the average thickness of each tile from the production dimensions | ISO-10545-2 | Squadrato ISO 13006 - ±5% (±0,5 mm) | ± 5% |
|  | Amount of water absorbed, in percentage | ISO-10545-3 | E≤0,5% | average value 0,08% |
| | | | | average value 52 |

| | | | | |
|---|---|---|---|---|
|  | Bending strength in N/mm2 | ISO-10545-4 | >35 N/mm2 | N/mm2 |
|  | Breaking strength in N (thickness < 7,5 mm) | ISO-10545-4 | ≥700 Newton | average value 1350 N |
|  | Resistance to deep abrasion of unglazed tiles | ISO-10545-6 | <175 mm3 | average value 140 mm3 |
|  | Thermal shock resistance | ISO-10545-9 | Metodo di prova disponibile / Available testing method / Méthode d'essai disponible / Verfügbare Prüfmethode / Método de ensayo disponible | RESISTE / RESISTANT / RÉSISTE / ERFÜLLT / RESISTE / УСТОЙЧИВ |
|  | Frost resistance | ISO-10545-12 | Richiesta / Required / Requise / Gefordert / Requerida | RESISTE / RESISTANT / RÉSISTE / ERFÜLLT / RESISTE / УСТОЙЧИВ |
|  | Resistance to domestic chemicals and additives for swimming pools | ISO-10545-13 | B minimo / B minimum / B minimum / B mindestens / B minimo | UA |
|  | 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 | LA |
|  | Resistance to staining | ISO-10545-14 | - | Cl. 5 |

**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.

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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 |
|---|---|---|---|---|
|  | Friction coefficient (slipperiness) | ANSI-A326.3 | - | > 0,42 wet |
|  | Pendulum friction test | BS-EN-16165-ANNEX-C | - | PTV > 36 wet slider 4S Matte |
|  | Barefoot slip resistance | DIN-EN-16165-ANNEX-A | - | 24° ≤ α Cl. C Grip |
|  | Barefoot slip resistance | DIN-EN-16165-ANNEX-A | - | 18° ≤ α < 24° Cl. B Matte |
|  | Slip resistance with shoes | DIN-EN-16165-ANNEX-B | - | 19° ≤ α < 27° R11 Grip |
|  | Slip resistance with shoes | DIN-EN-16165-ANNEX-B | - | 10° ≤ α < 19° 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 - ±0,3% (±1 mm) | ± 0,15% |
|  | 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 / СООТВЕТСТВУЕТ |
|  | Flatness (centre curvature / edge curvature / warpage) | ISO-10545-2 | Squadrato ISO 13006 - ±0,4% (±1,8 mm) | ± 0,35% |
|  | Admitted deviation, in %, of the average thickness of each tile from the production dimensions | ISO-10545-2 | Squadrato ISO 13006 - ±5% (±0,5 mm) | ± 5% |
|  | Maximum right-angle deviation, in %, in relation to the corresponding production dimensions | ISO-10545-2 | Squadrato ISO 13006 - ±0,3% (±1,5 mm) | ± 0,2% |
|  | Maximum straightness deviation, in %, in relation to the corresponding production dimensions | ISO-10545-2 | Squadrato ISO 13006 - ±0,3% (±0,8 mm) | ± 0,1% |
|  | Amount of water absorbed, in percentage | ISO-10545-3 | E≤0,5% | average value 0,08% |
|  | Breaking strength in N (thickness >= 7,5 mm) | ISO-10545-4 | ≥1300 Newton | average value 2200 N |

| | | | | |
|---|---|---|---|---|
|  | Bending strength in N/mm2 | ISO-10545-4 | >35 N/mm2 | average value 50 N/mm2 |
|  | Resistance to deep abrasion of unglazed tiles | ISO-10545-6 | <175 mm3 | average value 140 mm3 |
|  | Thermal shock resistance | ISO-10545-9 | Metodo di prova disponibile / Available testing method / Méthode d'essai disponible / Verfügbare Prüfmethode / Método de ensayo disponible | RESISTE / RESISTANT / RÉSISTE / ERFÜLLT / RESISTE / УСТОЙЧИВ |
|  | Frost resistance | ISO-10545-12 | Richiesta / Required / Requise / Gefordert / Requerida | RESISTE / RESISTANT / RÉSISTE / ERFÜLLT / RESISTE / УСТОЙЧИВ |
|  | 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 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 | LA |
|  | Resistance to staining | ISO-10545-14 | - | Cl. 4-5 |

**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.

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## 20 mm / Fine Porcelain Stoneware

| | E.N. 14411-ISO 13006 . Appendix G. Group BIa. UGL | Test method | Reference value | Declared value |
|---|---|---|---|---|
|  | Friction coefficient (slipperiness) | ANSI-A326.3 | - | >0,42 wet |
|  | Pendulum friction test | BS-EN-16165-ANNEX-C | - | PTV > 36 wet slider 4S |
|  | Barefoot slip resistance | DIN-EN-16165-ANNEX-A | - | 24° ≤ α Cl. C |
|  | Slip resistance with shoes | DIN-EN-16165-ANNEX-B | - | 19° < α ≤ 27° R11 |
|  | Maximum straightness deviation, in %, in relation to the corresponding production dimensions | ISO-10545-2 | Squadrato ISO 13006 - ±0,3% (±0,8 mm) | ± 0,1% |
|  | Length and width: admitted deviation, in %, of the average size of each tile from the production dimensions | ISO-10545-2 | Squadrato ISO 13006 - ±0,3% (±1 mm) | ± 0,15% |
|  | Maximum right-angle deviation, in %, in relation to the corresponding production dimensions | ISO-10545-2 | Squadrato ISO 13006 - ±0,3% (±1,5 mm) | ± 0,2% |
|  | Flatness (centre curvature / edge curvature / warpage) | ISO-10545-2 | Squadrato ISO 13006 - ±0,4% (±1,8 mm) | ± 0,35% |
|  | 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 / СООТВЕТСТВУЕТ |
|  | Admitted deviation, in %, of the average thickness of each tile from the production dimensions | ISO-10545-2 | Squadrato ISO 13006 - ±5% (±0,5 mm) | ± 5% |
|  | Amount of water absorbed, in percentage | ISO-10545-3 | E≤0,5% | average value 0,08% |
|  | Breaking strength in N (thickness >= 7,5 mm) | ISO-10545-4 | ≥1300 Newton | CONFORME / CONFORMING / CONFORME / KONFORM / CONFORME / СООТВЕТСТВУЕТ |
|  | Bending strength in N/mm2 | ISO-10545-4 | >35 N/mm2 | average value 52 N/mm2 |
| | Resistance to deep abrasion of unglazed tiles | ISO-10545-6 | <175 mm3 | average value 140 mm3 |

| | | | | |
|---|---|---|---|---|
| | | | | |
|  | Thermal shock resistance | ISO-10545-9 | Metodo di prova disponibile / Available testing method / Méthode d’essai disponible / Verfügbare Prüfmethode / Método de ensayo disponible | RESISTE / RESISTANT / RÉSISTE / ERFÜLLT / RESISTE / УСТОЙЧИВ |
|  | Frost resistance | ISO-10545-12 | Richiesta / Required / Requise / 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 | LA |
|  | Resistance to domestic chemicals and additives for swimming pools | ISO-10545-13 | B minimo / B minimum / B minimum / B mindestens / B mínimo | A |
|  | Resistance to staining | ISO-10545-14 | Metodo di prova disponibile / Available testing method / Méthode d’essai disponible / Verfügbare Prüfmethode / Método de ensayo disponible | 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.

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