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|   | E.N. 14411-ISO 13006 . Appendix G.<br>Group Bla. GL   | Test method              | Reference value   | Declared value   |
|---|---|--------------------------|---|--|
|    | Pendulum friction test  | BS-EN-16165-<br>ANNEX-C  | -   | >36 wet<br>MATTE   |
|    | Dynamic coefficient of friction (ANSI A 326.3 2021)   | DCOF                     | >0,42 wet   | > 0,42 wet   |
|    | Barefoot slip resistance  | DIN-EN-16165-<br>ANNEX-A | -   | Cl. A+B+C<br>GRIP  |
|    | Barefoot slip resistance  | DIN-EN-16165-<br>ANNEX-A | -   | Cl. A+B<br>MATTE   |
|   | Slip resistance with shoes  | DIN-EN-16165-<br>ANNEX-B | -   | R11<br>GRIP  |
|  | Slip resistance with shoes  | DIN-EN-16165-<br>ANNEX-B | -   | R10<br>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 /<br>CONFORMING /<br>CONFORME /<br>KONFORM /<br>CONFORME /<br>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<br>N/mm <sup>2</sup>  |

|  |   |              |   |  |
|--|---|--------------|---|--|
|   | Breaking strength in N (thickness >= 7,5 mm)                      | ISO-10545-4  | ≥1300 Newton  | average value 2200 N   |
|   | Resistance to abrasion of glazed tiles                            | ISO-10545-7  | Come dichiarato dal produttore / See manufacturer's declaration / Selon déclaration du producteur / Entsprechend der Herstellerangaben / Tal como declara el fabricante | 3 (Mineral, Coal); 4 (White, Fossil, Cream)                  |
|   | Thermal shock resistance  | ISO-10545-9  | -   | RESISTE / RESISTANT / RÉSISTE / ERFÜLLT / RESISTE / УСТОЙЧИВ |
|   | Glaze crazing resistance  | ISO-10545-11 | Richiesta / Required / Requisite / Gefordert / Requerida  | 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 | GLA  |
|   | Resistance to domestic chemicals and additives for swimming pools | ISO-10545-13 | GB minimo / GB minimum / GB minimum / GB mindestens / GB minimo   | GA   |
|  | Resistance to staining  | ISO-10545-14 | classe 3 minimo / class 3 minimum / classe 3 minimum / klasse 3 mindestens / classe 3 mínimo  | Cl. 4  |

**Note:**

## 20 mm / FINE PORCELAIN STONEWARE

|   | E.N. 14411-ISO 13006 . Appendix G.<br>Group BIa. UGL  | Test method              | Reference value   | Declared value   |
|---|---|--------------------------|---|--|
|    | Slip resistance with shoes  | DIN-EN-16165-<br>ANNEX-B | -   | R11  |
|    | 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 /<br>CONFORMING /<br>CONFORME /<br>KONFORM /<br>CONFORME /<br>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 mm <sup>3</sup>  |
|  | Thermal shock resistance  | ISO-10545-9              | -   | RESISTE / RESISTANT /<br>RÉSISTE / ERFÜLLT /<br>RESISTE / УСТОЙЧИВ                   |
|  | Frost resistance  | ISO-10545-12             | Richiesta / Required / Requise /<br>Gefordert / Requerida   | RESISTE / RESISTANT /<br>RÉSISTE / ERFÜLLT /<br>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 |

**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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