

## BRISTOL - Technical specifications

ISO 13006 - EN 14411 - ISO 10545 Standards

|  |  |
|--|--|
| Nominal sizes (cm): <b>6x25; 17x34</b> | Thickness (mm) : <b>9.5 (6x25) ; 8.5</b> |
| Sides: <b>Natural</b>                  | Surface: <b>Natural</b>                  |
|  | Product Group: <b>Bla-GL</b>             |

| Technical characteristics      |                         | Test method    | EN 14411 and ISO 13006 requirements            | Italcer Average values  |
|--------------------------------|-------------------------|----------------|--|---|
| Dimensions                     | Length and width        | ISO 10545-2    | ±0.6% and ± 2.0mm<br>Rect. : ±0.3% and ± 1.0mm | Compliant   |
|                                | Straightness of sides   | ISO 10545-2    | ±0.5% and ± 1.5mm<br>Rect. : ±0.3% and ± 0.8mm | Compliant   |
|                                | Rectangularity          | ISO 10545-2    | ±0.5% and ± 2.0mm<br>Rect. : ±0.3% and ± 1.5mm | Compliant   |
|                                | Flatness                | ISO 10545-2    | ±0.5% and ± 2.0mm<br>Rect. : ±0.4% and ± 1.8mm | Compliant   |
|                                | Thickness               | ISO 10545-2    | ±5% and ± 0.5mm                                | Compliant   |
| Water absorption               |                         | ISO 10545-3    | ≤ 0.5%   | < 0.1%  |
| Modulus of rupture             |                         | ISO 10545-4    | ≥ 35 N/mm <sup>2</sup>                         | > 45 N/mm <sup>2</sup>  |
| Breaking strength (S)          |                         | ISO 10545-4    | ≥ 1300 N                                       | Compliant   |
| Abrasion resistance            |                         | ISO 10545-7    | Declared class                                 | PEI 5<br>PEI 4 (Dark)   |
| Linear thermal expansion       |                         | ISO 10545-8    | Declared value                                 | $\alpha \leq 7.1 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$ |
| 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.                                   | 5   |
| Mohs Hardness                  |                         | UNI EN 101     | 5 Min.   | 6   |
| Slip Resistance                | DIN 51130               | Declared value | R10 ; R11 (6x25)                               |   |
|                                | DIN 51097               | Declared value | B  |   |
|                                | ANSI A137.1             | Declared value | >0.42  |   |
|                                | B.C.R.A.<br>Rep. CEC/81 | Declared value | Compliant                                      |   |
|                                | BS 7976                 | Declared value | Dry/Wet : >36                                  |   |
| Shade variation                |                         | ANSI A 137.1   | Not required                                   | V4  |
| Fire reaction                  |                         | UNI EN 13501-1 | -  | A1 <sub>FL</sub> class  |
| Thermal Conductivity           |                         | EN 12524       | Not required                                   | $\lambda = 1.3 \text{ W/m}\cdot\text{K}$                      |
| Light and colour fastness      |                         | DIN 51094      | Not required                                   | No variations   |