

## TIFFANY - Technical specifications

ISO 13006 - EN 14411 - ISO 10545 Standards

|                                  |                              |
|----------------------------------|------------------------------|
| Nominal sizes (cm): <b>15x61</b> | Thickness (mm) : <b>7-11</b> |
| Sides: <b>Natural</b>            | Surface: <b>3D</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>                         | >50 N/mm <sup>2</sup>   |
| Breaking strength (S)          |                       | ISO 10545-4    | ≥ 1300 N                                       | Compliant   |
| 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.   | 8   |
| 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   |

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Italcer Quality Department