

## MARBLE - Technical specifications

ISO 13006 - EN 14411 - ISO 10545 Standards

|   |                              |
|---|------------------------------|
| Nominal sizes (cm): <b>30x60; 60x60; 60x120</b> | Thickness (mm) : <b>10</b>   |
| Sides: <b>Rectified</b>                         | Surface: <b>Polished</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                   | Compliant   |
|                                | Straightness of sides | ISO 10545-2    | ±0.5% and ± 1.5mm                   | Compliant   |
|                                | Rectangularity        | ISO 10545-2    | ±0.5% and ± 2.0mm                   | Compliant   |
|                                | Flatness              | ISO 10545-2    | ±0.5% and ± 2.0mm                   | Compliant   |
|                                | Thickness             | ISO 10545-2    | ±5% and ± 0.5mm                     | Compliant   |
| Water absorption               |                       | ISO 10545-3    | ≤ 0.5%                              | Compliant   |
| Modulus of rupture             |                       | ISO 10545-4    | ≥ 35 N/mm <sup>2</sup>              | Compliant   |
| 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                      | LB/LC - HC  |
| 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.                              | 5   |
| Shade variation                |                       | ANSI A 137.1   | Not required                        | V3  |
| 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   |

Rubiera, November 28 2022

Italcer Quality Department