

## TRAVERTINO ROMANO - Technical specifications

ISO 13006 - EN 14411 - ISO 10545 Standards

|                                    |                                |
|------------------------------------|--------------------------------|
| Nominal sizes (cm): <b>163x324</b> | Thickness (mm) : <b>12</b>     |
| Sides: <b>rectified</b>            | Surface: <b>natural, honed</b> |
|                                    | Product Group: <b>Bla-UGL</b>  |

| Technical characteristics      |                       | Test method             | EN 14411 and ISO 13006 requirements | Italcer Average values                                       |
|--------------------------------|-----------------------|-------------------------|-------------------------------------|--------------------------------------------------------------|
| Dimensions                     | Length and width      | ISO 10545-2             | $\pm 0.6\%$ and $\pm 2.0\text{mm}$  | Compliant                                                    |
|                                | Straightness of sides | ISO 10545-2             | $\pm 0.5\%$ and $\pm 1.5\text{mm}$  | Compliant                                                    |
|                                | Rectangularity        | ISO 10545-2             | $\pm 0.5\%$ and $\pm 2.0\text{mm}$  | Compliant                                                    |
|                                | Flatness              | ISO 10545-2             | $\pm 0.5\%$ and $\pm 2.0\text{mm}$  | Compliant                                                    |
|                                | Thickness             | ISO 10545-2             | $\pm 5\%$ and $\pm 0.5\text{mm}$    | Compliant                                                    |
| Water absorption               |                       | ISO 10545-3             | $\leq 0.5\%$                        | Compliant                                                    |
| Modulus of rupture             |                       | ISO 10545-4             | $\geq 35 \text{ N/mm}^2$            | Compliant                                                    |
| Breaking strength (S)          |                       | ISO 10545-4             | $\geq 1300 \text{ N}$               | Compliant                                                    |
| Abrasion resistance            |                       | ISO 10545-6             | Declared class                      | 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.                              | 7                                                            |
| Slip Resistance                |                       | DIN 51130               | Declared value                      | -                                                            |
|                                |                       | DIN 51097               | Declared value                      | -                                                            |
|                                |                       | ANSI A137.1             | Declared value                      | $> 0.42(\text{natural})$                                     |
|                                |                       | B.C.R.A.<br>Rep. CEC/81 | Declared value                      | $> 0.4(\text{natural})$                                      |
|                                |                       | BS 7976                 | Declared value                      | -                                                            |
| Shade variation                |                       | ANSI A 137.1            | Not required                        | V2                                                           |
| Fire reaction                  |                       | UNI EN 13501-1          | -                                   | A1 <sub>FL</sub> class                                       |
| Thermal Conductivity           |                       | EN 12524                | Not required                        | $\lambda = 1.3 \text{ W/m} \cdot ^\circ\text{K}$             |
| Light and colour fastness      |                       | DIN 51094               | Not required                        | No variations                                                |

Rubiera, August 20, 2025

Italcer Quality Department