



**Reference Standard:** EN 14411: 2012 Ceramic Floor and Wall Tiles: Definitions, Classification, Characteristics and Marking

**Product Type:** Dry Pressed: Group Bla UGL

**REVIGRÉS Reference:** ECOTECH NAT

**Use:** Internal and External Wall and Floor Tiles

| TEST METHODS  | STANDARD AND TEST VALUE                                | DECLARED VALUES                   |
|---|--|-----------------------------------|
| Length and Width  | ISO 10545-2  ± 0,5%                                    | ± 0,2%                            |
| Deviation of mean thickness from manufacturing thickness                            | ± 5%   | ± 5%                              |
| Straightness of the edges   | ISO 10545-2  ± 0,5%                                    | ± 0,3%                            |
| Orthogonality   | ± 0,6%   | ± 0,3%                            |
| Surface Flatness  | ± 0,5%   | ± 0,3%                            |
| Surface quality (% defect free)   | ≥ 95%  | Compliant                         |
| Water Absorption  | ISO 10545-3  < 0,5%                                    | < 0,05%                           |
| Bending Strength (N)  |  |                                   |
| Thickness ≥ 14 mm   | ISO 10545-4  ≥ 1300                                    | > 6500                            |
| 8,5 mm < Thickness < 14 mm  | ISO 10545-4  ≥ 1300                                    | > 3500                            |
| 7,0 mm ≤ Thickness ≤ 8,5 mm   | ISO 10545-4  ≥ 1300                                    | > 2000                            |
| Rupture Modulus (N/mm <sup>2</sup> )  | > 35   | > 45                              |
| Resistance to deep abrasion (removed Volume/mm <sup>3</sup> )                       | ISO 10545-6  < 175                                     | < 120                             |
| Coefficient of Linear Thermal expansion (with atmospheric temperature up to 100 °C) | ISO 10545-8  Test method available                     | ≤ 8,0x10 <sup>-6</sup> / °C       |
| Resistance to Thermal shock   | ISO 10545-9  Required                                  | Resistant                         |
| Resistant to frost  | ISO 10545-12  Required                                 | Without visible defects           |
| Resistance to Acids and high concentrations Bases                                   | ISO 10545-13  The producer declares the classification | Class HA                          |
| Resistance to Acids and low concentrations Bases                                    |  | Class LA                          |
| Resistance to household chemicals and swimming pool water additives                 | Mín. Class B   | Class A                           |
| Resistance to staining  | ISO 10545-14  Test method available                    | Class 5                           |
| Antislip Resistance   | DIN 51130  Máx. R13                                    | R10                               |
| Antislip Resistance   | DIN 51097  Máx. C                                      | B                                 |
| Antislip Resistance   | ENV 12633  Máx class 3                                 | class 3                           |
| Antislip Resistance   | BS 7976  Test method available (PTV)                   | PTV 36+                           |
| Antislip Resistance   | ANSI A137.1  Test method available (DCOF)              | DCOF ≥ 0,42                       |
| Resistance to heavy shock   | UPEC CSTB  UPEC Level 0 a 5                            | Level 3                           |
| Reaction to fire  | EN 13823<br>EN 9239-1  A1 <sub>FL</sub>                | Class A1 <sub>FL</sub> / Class A1 |

\*Technical specifications are only valid for the products classified as 1<sup>st</sup> choice.

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