

# Technical Specification

## Code: VA.91



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| Physical & Chemical Properties                  | Norm/Test Method | Required Standard   | Results                  |
|---|------------------|---------------------|--------------------------|
| Thickness                                       | ISO 10545-2      | ± 0.3%, ± 10%       | ± 0.2%                   |
| Straightness of Edges                           | ISO 10545-2      | ± 0.3%              | ± 0.4%                   |
| Squareness                                      | ISO 10545-2      | ± 0.5%              | ± 0.4%                   |
| Flatness  | ISO 10545-2      | ± 0.5% - 0.3%       | ± 0.4%                   |
| Surface Qualities                               | ISO 10545-2      | Min 95%             | <95%                     |
| Water Absorption                                | ISO 10545-3      | 0.5% < E ≤ 3%       | ≤ 1%                     |
| Breaking load in N                              | ISO 10545-4      | 700 min             | > 1800                   |
| Bending Strength in N/mm <sup>2</sup>           | ISO 10545-4      | 12 min              | > 50 N/mm <sup>2</sup>   |
| Abrasion Resistance                             | ISO 10545-7      | -                   | On request               |
| Coefficient of Linear Thermal Expansion         | ISO 10545-8      | -                   | < 5 10 <sup>-6</sup> /°C |
| Thermal Shock Resistance                        | ISO 10545-9      | -                   | Guaranteed               |
| Moisture Expansion                              | ISO 10545-10     | -                   | < 0.04%                  |
| Crazing Resistance                              | ISO 10545-11     | -                   | Guaranteed               |
| Coefficient of Friction                         | BCRA             | > 0.40%             | -                        |
| Impact Resistance                               | ISO 10545-5      | Class 3 min         | > 0.6                    |
| Stain Resistance                                | ISO 10545-14     | GB min              | 3 min                    |
| Household Chemical Resistance                   | ISO 10545-13     | -                   | GB min                   |
| Acid & Alkali Resistance (diluted/concentrated) | ISO 10545-13     | -                   | GLB min                  |
| Lead and Cadmium Release                        | ISO 10545-15     | -                   | On request               |
| Fire Resistance                                 | -                | Decisione 96/603/CE | Class A1                 |

### Certifications



This technical information sheet is not a guarantee of performance and is not a warranty, either explicit or implicit. Rather, it tries to summarize for the designer, installer or developer the technical data provided to Eco Friendly Tiles by the independent tile manufacturer. This information may not be applicable in all geographical areas. It is the responsibility of those individuals who are referring to this document to independently research and determine which tiles are suitable for a given project according to applicable British or International Standards and any governing legislative requirements. This document cannot be used as expert opinion, evidence or in any legal or administrative procedure unless authorized by Eco Friendly Tiles Ltd.