

Çanakkale Seramik Wall Tiles conform to the Turkish and European standards indicated below.



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05

TS-EN 14411

Ceramic tiles, dry-pressed, for internal and external wall/ceiling finishes

Characteristics

Declared value

Reaction to fire

A1  
without testing 96/603 EEC  
as amended

Flexural tensile strength

>23 N/mm<sup>2</sup>

Thermal shock resistance

Passed

Freeze/thaw resistance  
(frost resistance)

Passed

Release of dangerous substances

NPD

Release of Cadmium

Release of lead

Bond strength

NPD

| TS EN        | TECHNICAL CHARACTERISTICS                     |  | TURKISH and EUROPEAN STANDARD<br>TS-EN 14411 Annex L BIII GL | 20*20<br>3901 BULLNOSE<br>MATTE WHITE |
|--------------|---|--|--|---------------------------------------|
| ISO 10545-2  | Deviations from Dimensions                    | Length and Width (cm)  | $\ell \leq 12 \text{ cm. } \pm 0,75 \%$                      | $\pm \% 0.75$                         |
|              |   |  | $\ell > 12 \text{ cm. } \pm 0.5 \%$                          | $\pm \% 0.5$                          |
|              |   | Thickness (%)  | $\pm 10 \%$  | $\pm \% 10$                           |
|              |   | Rectangularity (%)   | Max. $\pm \% 0.5$  | $\pm \% 0.5$                          |
|              |   | Straightness of Sides (%)  | Max. $\pm \% 0.3$  | $\pm \% 0.3$                          |
|              | Surface Flatness (%)                          |  | Centre Curvature : $+ \% 0.5, - \% 0.3$                      | $+ \% 0.5, - \% 0.3$                  |
|              |   |  | Edge Curvature : $+ \% 0.5, - \% 0.3$                        | $+ \% 0.5, - \% 0.3$                  |
|              |   | Warpage : $\pm \% 0.5$   | $\pm \% 0.5$   |                                       |
|              | Surface Quality (%)                           | 5 % Defective  | Affirmative  |                                       |
| ISO 10545-3  | Water Absorption (%)                          | Ave.10 %, When the value exceeds 20% this shall be indicated by the manufacturer.<br>Individual min. 9 % | Ave. % 17,8  |                                       |
| ISO 10545-4  | Breaking Strength (N)                         | thickness $\geq 7,5 \text{ mm}$ min. 600 N   | -  |                                       |
|              |   | thickness $< 7,5 \text{ mm}$ min. 200 N  | 728 N  |                                       |
|              | Modulus of Rupture (N/mm <sup>2</sup> )       | thickness $\geq 7,5 \text{ mm}$ min. 12 N/ mm <sup>2</sup>   | 22 N/ mm <sup>2</sup>  |                                       |
|              |   | thickness $< 7,5 \text{ mm}$ min. 15 N/ mm <sup>2</sup>  |  |                                       |
| ISO 10545-8  | Linear Thermal Expansion Coefficient (100 °C) | Max. $9 \times 10^{-6} / ^\circ \text{C}$  | $6 \times 10^{-6} / ^\circ \text{C}$                         |                                       |
| ISO 10545-9  | Resistance to Thermal Shock                   | Required   | Affirmative  |                                       |
| ISO 10545-10 | Moisture Expansion (mm/m)                     | 0,06 % (0,6 mm/m)  | %0,01976   |                                       |
| ISO 10545-11 | Crazing Resistance for Glazed Tiles           | Required   | Affirmative  |                                       |
| ISO 10545-13 | Resistance to High/Low Acids and Alkalis      | Required   | GLA-GLA-GLA-GHA-GHA-GHA                                      |                                       |
|              | Resistance to Household Chemicals             | Min. GB  | GA   |                                       |
|              | Resistance to Swimming Pool Chemicals         | Required   | GA   |                                       |
| ISO 10545-14 | Resistance to Staining                        | Min. 3   | CLASS-5  |                                       |