

**LANKA TILES PLC**

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Co. Reg. No. PQ129



**TECHNICAL SPECIFICATION**

Glazed Porcelain Floor Tiles produced by LANKA TILES PLC comply with ISO 13006:2018(E) Annex H, BS EN 14411:2012 Annex H, SLS 1181:2019 standards.

Series: **Grigio**

Tile Type: **FAS-GRI---P0208A51**

Theme: **Island Living**

Tile Size: **800x800 mm**

Colour: **Sepla**

Tile Surface: **Polished**

| DIMENSIONS & SURFACE QUALITY                              | IMAGE | Test methods<br>BS EN ISO                                                                                                                                                                                                                                                                                                                                                                                                                                     | GLAZE PORCELAIN<br>Annex H<br>Group B 1b                                                                               | TEST<br>STATUS   |
|-----------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------|
| Length & width                                            |       | ISO 10545-2                                                                                                                                                                                                                                                                                                                                                                                                                                                   | +/-0.3%                                                                                                                | Comply           |
| Thickness                                                 |       | ISO 10545-2                                                                                                                                                                                                                                                                                                                                                                                                                                                   | +/-5.0%                                                                                                                |                  |
| Straightness of sides                                     |       | ISO 10545-2                                                                                                                                                                                                                                                                                                                                                                                                                                                   | +/-0.5%                                                                                                                |                  |
| Centre curvature                                          |       | ISO 10545-2                                                                                                                                                                                                                                                                                                                                                                                                                                                   | +/-0.5%                                                                                                                |                  |
| Edge curvature                                            |       | ISO 10545-2                                                                                                                                                                                                                                                                                                                                                                                                                                                   | +/-0.5%                                                                                                                |                  |
| Warpage                                                   |       | ISO 10545-2                                                                                                                                                                                                                                                                                                                                                                                                                                                   | +/-0.5%                                                                                                                |                  |
| Rectangularity                                            |       | ISO 10545-2                                                                                                                                                                                                                                                                                                                                                                                                                                                   | +/-0.5%                                                                                                                |                  |
| Surface quality                                           |       | ISO 10545-2                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Minimum of 95 % of tiles shall be free from visible defects that would impair the appearance of a major area of tiles. |                  |
| PHYSICAL PROPERTIES                                       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                        |                  |
| Water absorption                                          |       | ISO 10545-3                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.5 % < E ≤ 3 %<br>Individual max 3.3%                                                                                 | Comply           |
| Breaking strength                                         |       | ISO 10545-4                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Not less than 1100 N<br>(Thickness ≥ 7.5mm)                                                                            |                  |
| Modulus of rupture                                        |       | ISO 10545-4                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Min 30 N/ mm <sup>2</sup><br>Individual min 27 N/mm <sup>2</sup>                                                       |                  |
| Resistance to surface abrasion-glazed tiles               |       | ISO 10545-7                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Reported abrasion class and cycle passed                                                                               | Class 3<br>(750) |
| Resistance to Thermal shock                               |       | ISO 10545-9                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Required                                                                                                               | Comply           |
| Resistance to crazing-glazed tiles                        |       | ISO 10545-11                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Required                                                                                                               |                  |
| CHEMICAL PROPERTIES                                       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                        |                  |
| Resistance to staining                                    |       | ISO 10545-14                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Minimum class 3                                                                                                        | Class 4          |
| Resistance to low concentrations of acids                 |       | ISO 10545-13                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Manufacturer to state classification                                                                                   | Class GLA        |
| Resistance to low concentrations of alkalis               |       | ISO 10545-13                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Manufacturer to state classification                                                                                   | Class GLA        |
| Resistance to household chemicals and swimming pool salts |       | ISO 10545-13                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Minimum GB                                                                                                             | GA               |
| Phases of Design                                          |       | <input type="checkbox"/> Single Face <input checked="" type="checkbox"/> Multiple Faces <input type="checkbox"/> Random Faces                                                                                                                                                                                                                                                                                                                                 |                                                                                                                        |                  |
| APPLICATIONS                                              |       | Walk on soft-soled or light footwear subject to light traffic with at the most occasional small amount of scratching dirt. Extra care is necessary to protect the surface from scratch. Ex- Only for domestic usage, bedrooms, living areas. Protect polished surface from long periods of exposure of chemicals and stains. Should not be used in areas such as kitchens, entry ways and stairs that are subject to abrasive and slip resistant requirement. |                                                                                                                        |                  |

Please be informed that the surface abrasion classification of tiles may vary depending on their design and color. Notably, tiles with darker tones are generally assigned lower abrasion classes, as signs of surface wear are more readily visible on such finishes.

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Prepared By : Executive (QA)

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