

TECHNICAL DATA SHEET



05

Ref. standard

EN 14411: 2012 Ceramic floor and wall tiles: definitions, classification, characteristics and marking

Product type

Dry pressed: group Bla GL
 Glazed porcelain tiles | edge rectified | matt surface

Collection

CALACATTA ORO MATT RECT

Formats

(60x60) 59.2x59.2x0.98 | (45x90) 44.35x88.9x1.05 | (90x90) 88.9x88.9x1.05
 (60x120) 59.2x118.6x0.98 cm

Colors

Calacatta oro



| TEST METHODS | STANDARD METHOD | STANDARD VALUE | TYPICAL VALUE | |
|---|----------------------|--------------------------|---|----------|
| Length and Width ¹⁾ | ISO 10545-2 | ± 0.6% max. 2.0 mm | ± 0.1% max. ± 1.0 mm | |
| Thickness ¹⁾ | | ± 5% max. ± 0.5 mm | ± 5% max. ± 0.5 mm | |
| Straightness of the edges ²⁾ | | ± 0.5% max. ± 2.0 mm | ± 0.2% max. ± 0.8 mm | |
| Orthogonality ²⁾ | | ± 0.5% max. ± 2.0 mm | ± 0.2% max. ± 1.5 mm | |
| Surface flatness ²⁾ | | ± 0.5% max. ± 2.0 mm | ± 0.3% max. ± 1.8 mm | |
| Surface quality (% defect free) | | ≥ 95% | Complies | |
| Water absorption | ISO 10545-3 | < 0.5% | < 0.05% | |
| Bending strength | 9.8 10.5 mm | ISO 10545-4 | ≥ 1300 N | ≥ 3500 N |
| Rupture modulus | ISO 10545-4 | > 35 N/mm ² | > 45 N/mm ² | |
| Resistance to deep abrasion (PEI groups) | ISO 10545-7 | As indicated by producer | 4 | |
| Coefficient of linear thermal expansion (with atmospheric temperature up to 100 °C) | ISO 10545-8 | As indicated by producer | ≤ 8,0x10 ⁻⁶ °C ⁻¹ | |
| Resistance to thermal shock | ISO 10545-9 | Required | Resist | |
| Resistant to frost | ISO 10545-12 | Required | Resist | |
| Resistance against acids and alkalis | ISO 10545-13 | low concentrations | As indicated by producer | Class LA |
| | | high concentrations | As indicated by producer | Class HA |
| Resistance to household chemicals and swimming pool water additives | ISO 10545-13 | Min. Class B | Class A | |
| Resistance to staining | ISO 10545-14 | As indicated by producer | Class 5 | |
| Antislip resistance | DIN 51130 | Test method available | - | |
| | DIN 51097 | Test method available | - | |
| | ENV 12633 | Max. class 3 | Class 1 | |
| | BS 7976 [#96 rubber] | Test method available | - | |
| | ANSI A137-1 [DCOF] | Test method available | ≥ 0,42 | |
| Reaction to fire | EN 13823 . EN 9239-1 | A1 _{FL} | Class A1FL / Class A1 | |

¹⁾ permissible deviation of the average value for each tile from the work size (w); ²⁾ deviation related to corresponding work sizes;

Revigres guarantees compliance with all the requirements of the EN 14411 Grupo Bla GL standard.
 The typical value is indicative and does not have the nature of a negotiation proposal.
 Technical specifications are only valid for the products classified as 1st choice.
 The use of the product must be adapted to its traffic intensity and slip resistance classification.
 For additional information, please contact: revigres@revigres.pt.

By the Quality Department
 2024.08.31



05

Ref. standard EN 14411: 2012 Ceramic floor and wall tiles: definitions, classification, characteristics and marking

Product type Dry pressed: group Bla GL
 Glazed porcelain tiles | edge rectified | polished surface

Collection CALACATTA ORO POL

Formats (60x60) 59.2x59.2x0.98 | (45x90) 44.35x88.9x1.05 | (90x90) 88.9x88.9x1.05 | (60x120) 59.2x118.6x0.98 cm

Colors Calacatta Oro



| TEST METHODS | STANDARD METHOD | STANDARD VALUE | TYPICAL VALUE | |
|---|----------------------|--------------------------|---|-----------------------|
| Length and Width ¹⁾ | ISO 10545-2 | ± 0.6% max. 2.0 mm | ± 0.1% max. ± 1.0 mm | |
| Thickness ¹⁾ | | ± 5% max. ± 0.5 mm | ± 5% max. ± 0.5 mm | |
| Straightness of the edges ²⁾ | | ± 0.5% max. ± 2.0 mm | ± 0.2% max. ± 0.8 mm | |
| Orthogonality ²⁾ | | ± 0.5% max. ± 2.0 mm | ± 0.2% max. ± 1.5 mm | |
| Surface flatness ²⁾ | | ± 0.5% max. ± 2.0 mm | ± 0.3% max. ± 1.8 mm | |
| Surface quality (% defect free) | | ≥ 95% | Complies | |
| Water absorption | ISO 10545-3 | < 0.5% | < 0.05% | |
| Bending strength | 9.8 10.5 mm | ISO 10545-4 | ≥ 1300 n | ≥ 3500 N |
| Rupture modulus | ISO 10545-4 | > 35 N/mm ² | > 45 N/mm ² | |
| Resistance to deep abrasion (PEI groups) | ISO 10545-7 | As indicated by producer | 4 | |
| Coefficient of linear thermal expansion (with atmospheric temperature up to 100 °C) | ISO 10545-8 | As indicated by producer | ≤ 8,0x10 ⁻⁶ °C ⁻¹ | |
| Resistance to thermal shock | ISO 10545-9 | Required | Resist | |
| Resistant to frost | ISO 10545-12 | Required | Resist | |
| Resistance against acids and alkalis | low concentrations | ISO 10545-13 | As indicated by producer | Min. LB |
| | high concentrations | | Test method available | Test method available |
| Resistance to household chemicals and swimming pool water additives | ISO 10545-13 | Min. Class B | Complies | |
| Resistance to staining | ISO 10545-14 | Min. class 3 | Complies | |
| Antislip resistance | NA | NA | NA | |
| Reaction to fire | EN 13823 . EN 9239-1 | A1 _{FL} | Class A1FL / Class A1 | |

¹⁾ permissible deviation of the average value for each tile from the work size (w); ²⁾ deviation related to corresponding work sizes;
 NA - not applicable;

Revigres guarantees compliance with all the requirements of the EN 14411 Grupo Bla GL standard. The typical value is indicative and does not have the nature of a negotiation proposal. Technical specifications are only valid for the products classified as 1st choice. Products with a POL finish are not recommended for use in damp conditions. The use of the product must be adapted to its traffic intensity and slip resistance classification. For additional information, please contact: revigres@revigres.pt.

TECHNICAL DATA SHEET



05

Ref. Standard

EN 14411: 2012 Ceramic floor and wall tiles: definitions, classification, characteristics and marking

Product type

Dry pressed: group BIII GL
 Glazed ceramic wall tiles | edge rectified | matt or glossy surface

Collection

CALACATTA ORO RECT

Formats

(30x60) 29.5x59.2x0.9 | (30x90) 29.5x88.9x1.23 | (40x120) 39,4x118,9x1,23 cr

Colors

Calacatta oro



| TEST METHODS | STANDARD METHOD | STANDARD VALUE | TYPICAL VALUE |
|--|----------------------|--|--|
| Length and Width ¹⁾ | ISO 10545-2 | ± 0.5% max. 2.0 mm | ± 0.2% max. ±1.0 mm |
| Thickness ¹⁾ | | ± 5% max. ± 0.5 mm | ± 5% max. ± 0.5 mm |
| Straightness of the edges ²⁾ | | 0.3% max. ± 1.5 mm | ± 0.2% max. ± 0.8 mm |
| Orthogonality ²⁾ | | ± 0.5% max. ± 2.0 mm | ± 0.2% max. ± 1.5 mm |
| Surface flatness ²⁾ | | + 0.5% max. + 2.0 mm - 0.3% max. - 1.5 mm | + 0.3% max. + 1.8 mm - 0.2% max. - 1.5 mm |
| Surface quality (% defect free) | | ≥ 95% | Complies |
| Water absorption | ISO 10545-3 | > 10% | > 16% - 19% |
| Bending strength | 9.0 12.3 mm | ISO 10545-4 | ≥ 600 N |
| Rupture modulus | ISO 10545-4 | > 15 N/mm ² | > 15 N/mm ² |
| Coefficient of linear thermal expansion (with atmospheric temperature up to 100 °C) | ISO 10545-8 | Test method available | Test method available |
| Cracking resistance (glazed) | ISO 10545-11 | Required | Resist |
| Resistance against acids and alkalis | ISO 10545-13 | low concentrations | Test method available |
| | | high concentrations | Test method available |
| Resistance to household chemicals and swimming pool water additives | ISO 10545-13 | Min. Class B | Class A |
| Resistance to staining | ISO 10545-14 | Test method available | Min. Class 4 |
| Reaction to fire | EN 13823 . EN 9239-1 | A1 _{FL} | Class A1FL / Class A1 |

¹⁾ permissible deviation of the average value for each tile from the work size (w); ²⁾ deviation related to corresponding work sizes; 012/10

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 The typical value is indicative and does not have the nature of a negotiation proposal.
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By the Quality Department
 2024.08.31