



05

## Ref. standard

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

## Product type

Dry pressed: group BIa UGL

Full body porcelain tiles | double load | edge rectified | matt surface

## Collection

**CROMÁTICA MATT RET**

## Formats <sup>3)</sup>

(30x30) 29.5x29.5x0.85 | (30x60) 29.5x59.2x0.85 | (60x60) 59.2x59.2x0.85 | (60x120) 59.2x118.6x0.98 | (90x90) 88.9x88.9x10.5 cm

## Colors <sup>3)</sup>

Ice, superbranco, alloy, titanium, grafite, platina, arg prata, bone, quartz, lava, bege, toffee, ocre, coral, brick, aniz, jade, lagoon, pistachio, oliva, opala, cobalto



| TEST METHODS                                                                           |                     | STANDARD METHOD      | STANDARD VALUE           | TYPICAL VALUE           |
|----------------------------------------------------------------------------------------|---------------------|----------------------|--------------------------|-------------------------|
| Length and Width <sup>1)</sup>                                                         |                     | ISO 10545-2          | ± 0.6% máx.2.0 mm        | ± 0.1% máx.± 1.0 mm     |
| Thickness <sup>1)</sup>                                                                |                     |                      | ± 5% máx.± 0.5 mm        | ± 5% máx.± 0.5 mm       |
| Straightness of the edges <sup>2)</sup>                                                |                     |                      | ± 0.5% máx.± 2.0 mm      | ± 0.2% máx.± 0.8 mm     |
| Orthogonality <sup>2)</sup>                                                            |                     |                      | ± 0.5% máx.± 2.0 mm      | ± 0.2% máx.± 1.5 mm     |
| Surface flatness <sup>2)</sup>                                                         |                     |                      | ± 0.5% máx.± 2.0 mm      | ± 0.3% máx. ± 1.8 mm    |
| Surface quality (% defect free)                                                        |                     |                      | ≥ 95%                    | Complies                |
| Water absorption                                                                       |                     | ISO 10545-3          | < 0.5%                   | < 0.05%                 |
| Bending strength                                                                       | 8.5 mm              | ISO 10545-4          | ≥ 1300 N                 | > 2000 N                |
|                                                                                        | 9.8   10.5 mm       |                      |                          | > 3500 N                |
| Rupture modulus                                                                        |                     | ISO 10545-4          | > 35 N/mm <sup>2</sup>   | > 45 N/mm <sup>2</sup>  |
| Resistance to deep abrasion                                                            |                     | ISO 10545-6          | < 175 mm <sup>3</sup>    | < 120 mm <sup>3</sup>   |
| Coefficient of linear thermal expansion<br>(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 | 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            | Máx. R13                 | R10                     |
|                                                                                        |                     | DIN 51097            | Máx. C                   | A                       |
|                                                                                        |                     | ENV 12633            | Máx. classe 3            | Classe 2                |
|                                                                                        |                     | 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 <sub>FL</sub>         | Classe A1FL / Classe A1 |

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

<sup>3)</sup> please check the applicable formats and colours in the General Catalogue.

Revigres guarantees compliance with all the requirements of the EN 14411 Grupo BIa UGL 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 Technical Department

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