

# Technical Specifications

## ABNT NBR ISO 13006

Dry-pressed ceramic tiles with water absorption Ev > 10% Group BIII

# Cristallo Bianco Queops

Line Cristallo

| | | |
|---|---|---|
| Tipology<br>**Wall** | Code<br>**212080E** | |
| Size (cm)<br>**45X120** | Thickness (mm)<br>**13.3** | Work Size (cm)<br>**44,85X119,85** |
| Edge<br>**Rectified** | Surface<br>**Matte** | Tonality Variation<br>**V2** |

| Physical Property | Test Standards | Results |
|---|---|---|
| Water Absorption (%) | ISO 10545-3 | 10 |
| Modulus of Breaking Strength (N/mm²) | ISO 10545-4 | 12 |
| Breaking Load (N) | ISO 10545-4 | 600 |
| Moisture Expansion (mm/m) | ISO 10545-10 | 0,3 |
| Crazing Resistance | ISO 10545-11 | RESIST |
| Frost Resistance | ISO 10545-12 | NO RESIST |
| Resistance to Thermal Shock | ISO 10545-9 | NO RESIST |

| Chemical Property | Test Standards | Results |
|---|---|---|
| **Resistance to Staining** | | |
| Glazed Tiles | ISO 10545-14 | 5 |
| **Resistance to Chemicals** | | |
| Resistance to low concentrations of acids and alkalis | ISO 10545-13 | LA |
| Resistance to household chemicals and swimming pool salts | ISO 10545-13 | A |

Para informações de recomendações de aplicação consulte o especificador virtual: http://especificadorvirtual.portobello.com.br
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| Dimensions and surface quality | Test Standards | Results |
|---|---|---|
| Length and width (mm) | ISO 10545-2 | ± 1,00 |
| Width (mm) | ISO 10545-2 | ± 1,00 |
| Thickness (mm) | ISO 10545-2 | ± 0,50 |
| Straightness of sides (mm) | ISO 10545-2 | ± 0,80 |
| Rectangularity (mm) | ISO 10545-2 | ± 1,35 e ± 1,50 |
| Surface quality (%) | ISO 10545-2 | ≥ 95 |

## Local of Use

| |
|---|
| EW - External Wall |

| Settlement | Recomendado |
|---|---|
| Dry Internal Walls Joint | 1 mm |
| Wet Internal Walls Joint | 1 mm |
| External Walls Joint - Facade | 1 mm |
| Floor joint | N/A |

For the use of this coating on external walls up to 6 meters high, follow the following guidelines:

Use ACIII adhesive mortar indicated for facade use and compatible with the product's shape, in buildings up to 2 floors. Check with the salesperson for the most suitable mortar. Respect the existing movement and desolidation joints in the architectural design.
On external walls that do not have coverage and side protection, it is mandatory to protect the top and side of the wall with a drip edge or flashing.
The seating joints must be used according to the specific indication of each product.
The grout used to seal the seating joints must be specific for facades.

ATTENTION: Single-porous facades are not recommended for regions with negative temperatures for prolonged periods, such as in Europe and the United States, as established in ISO 13006 for external walls.

Reaction with fire: Ceramic coatings are sintered at high temperatures and therefore do not present in their final composition organic or volatile compounds of any nature, classifying them as Class I - non-combustible.

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Portobello SA - Fábrica | contato@portobello.com.br
SAC: 800 648 2002 1 BR 101 - Km 163 - Cx. Postal 15
Tijucas/SC - Brasil - 88200-000