



# Technical Specifications

## ABNT NBR ISO 13006

Dry-pressed ceramic tiles with low water absorption  
 $0,5\% < E_v \leq 3,0\%$  Group BIb

## Artifact Off White

Line Artifact

|               |                |                    |
|---------------|----------------|--------------------|
| Tipology      | Code           |                    |
|               | <b>211591E</b> |                    |
| Size (cm)     | Thickness (mm) | Work Size (cm)     |
| <b>6,5X23</b> | <b>9.00</b>    | <b>6,5X22,95</b>   |
| Edge          | Surface        | Tonality Variation |
| <b>Bold</b>   | <b>Glossy</b>  | <b>V4</b>          |

### Physical Property

| Physical Property                                 | Test Standards | Results |
|---|----------------|---------|
| Water Absorption (%)                              | ISO 10545-3    | 3       |
| Modulus of Breaking Strength (N/mm <sup>2</sup> ) | ISO 10545-4    | 32      |
| Breaking Load (N)                                 | ISO 10545-4    | 1100    |
| Moisture Expansion (mm/m)                         | ISO 10545-10   | 0,3     |
| Crazing Resistance                                | ISO 10545-11   | RESIST  |
| Frost Resistance                                  | ISO 10545-12   | RESIST  |
| Resistance to Thermal Shock                       | ISO 10545-9    | RESIST  |

### Chemical Property

#### Resistance to Staining

| Chemical Property | Test Standards | Results |
|-------------------|----------------|---------|
| 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  |

## Dimensions and surface quality

| Dimensions and surface quality | Test Standards | Results         |
|--------------------------------|----------------|-----------------|
| Length and width (mm)          | ISO 10545-2    | ± 1,38          |
| Width (mm)                     | ISO 10545-2    | ± 0,90          |
| Thickness (mm)                 | ISO 10545-2    | ± 0,45          |
| Straightness of sides (mm)     | ISO 10545-2    | ± 0,80 e ± 1,15 |
| Rectangularity (mm)            | ISO 10545-2    | NA e ± 0,80     |
| Surface flatness (mm)          | ISO 10545-2    | ± 0,8 mm        |
| Surface quality (%)            | ISO 10545-2    | ≥ 95            |

## Local of Use

|             |
|-------------|
| FA - Facade |
|-------------|

## Settlement

| Settlement                    | Recomendado |
|-------------------------------|-------------|
| Dry Internal Walls Joint      | 2 mm        |
| Wet Internal Walls Joint      | 2 mm        |
| External Walls Joint - Facade | 2 mm        |
| Floor joint                   | N/A         |

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.

# Portobello

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