



# Technical Specifications

## ABNT NBR ISO 13006

Dry-pressed ceramic tiles with water absorption  $E_v > 10\%$  Group BIII

## Highlands Lake

Line Highlands

Tipology

**Wall**

Code

**204193E**

Size (cm)

**07X24,4**

Thickness (mm)

**8.00**

Work Size (cm)

**6,98X24,54**

Edge

**Bold**

Surface

**Glossy**

Tonality Variation

**V3**

### Physical Property

|   |
|---|
| Water Absorption (%)                              |
| Modulus of Breaking Strength (N/mm <sup>2</sup> ) |
| Breaking Load (N)                                 |
| Moisture Expansion (mm/m)                         |
| Crazing Resistance                                |
| Frost Resistance                                  |
| Resistance to Thermal Shock                       |

### Test Standards

|              |
|--------------|
| ISO 10545-3  |
| ISO 10545-4  |
| ISO 10545-4  |
| ISO 10545-10 |
| ISO 10545-11 |
| ISO 10545-12 |
| ISO 10545-9  |

### Results

|           |
|-----------|
| > 10      |
| 12        |
| 600       |
| 0,3       |
| RESIST    |
| NO RESIST |
| NO RESIST |

### Chemical Property

#### Resistance to Staining

|              |
|--------------|
| Glazed Tiles |
|--------------|

### Test Standards

|              |
|--------------|
| ISO 10545-14 |
|--------------|

### Results

|   |
|---|
| 5 |
|---|

#### Resistance to Chemicals

|   |
|---|
| Resistance to low concentrations of acids and alkalis     |
| Resistance to household chemicals and swimming pool salts |

|              |
|--------------|
| ISO 10545-13 |
| ISO 10545-13 |

|    |
|----|
| LA |
| A  |

## Dimensions and surface quality

| Dimensions and surface quality | Test Standards | Results         |
|--------------------------------|----------------|-----------------|
| Length and width (mm)          | ISO 10545-2    | ± 1,47          |
| Width (mm)                     | ISO 10545-2    | ± 0,90          |
| Thickness (mm)                 | ISO 10545-2    | ± 0,40          |
| Straightness of sides (mm)     | ISO 10545-2    | ± 0,80 e ± 1,23 |
| 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

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

## Settlement

## Recomendado

|                               |        |
|-------------------------------|--------|
| Dry Internal Walls Joint      | 1,5 mm |
| Wet Internal Walls Joint      | 1,5 mm |
| External Walls Joint - Facade | 1,5 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.

# Portobello



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