



# Technical Specifications

## ABNT NBR ISO 13006

Dry-pressed ceramic tiles with water absorption  $3\% < Ev \leq 6\%$  Group BIIa

## Lava

Line Surfaces

Tipology

**Mosaic**

Code

**203152E**

Size (cm)

**9,5X9,5**

Thickness (mm)

**6.50**

Work Size (cm)

**9,5X9,5**

Edge

Surface

**Matte**

Tonality Variation

**V1**

### Physical Property

|   |              |           |
|---|--------------|-----------|
| Water Absorption (%)                              | ISO 10545-3  | 6         |
| Modulus of Breaking Strength (N/mm <sup>2</sup> ) | ISO 10545-4  | 22        |
| 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  | RESIST    |

### Test Standards

### Results

### Chemical Property

#### Resistance to Staining

|              |              |   |
|--------------|--------------|---|
| Glazed Tiles | ISO 10545-14 | 5 |
|--------------|--------------|---|

#### Resistance to Chemicals

|   |              |    |
|---|--------------|----|
| Resistance to low concentrations of acids and alkalis     | ISO 10545-13 | LB |
| Resistance to household chemicals and swimming pool salts | ISO 10545-13 | A  |

### Test Standards

### Results

## Coefficient of Friction

|             |
|-------------|
| Dry Surface |
| Wet Surface |
| Wet Surface |

## Test Standards

|                |
|----------------|
| ABNT NBR 16919 |
| ABNT NBR 16919 |
| ANSI A326.3    |

## Results

|      |
|------|
| 0,5  |
| 0,4  |
| 0,43 |

## Dimensions and surface quality

|                            |
|----------------------------|
| Length and width (mm)      |
| Width (mm)                 |
| Thickness (mm)             |
| Straightness of sides (mm) |
| Rectangularity (mm)        |
| Surface flatness (mm)      |
| Surface quality (%)        |

## Test Standards

|             |
|-------------|
| ISO 10545-2 |
| ISO 10545-2 |
| ISO 10545-2 |
| ISO 10545-2 |
| ISO 10545-2 |
| ISO 10545-2 |
| ISO 10545-2 |

## Results

|          |
|----------|
| ± 0,90   |
| ± 0,90   |
| ± 0,50   |
| ± 0,80   |
| ± 0,80   |
| ± 0,8 mm |
| ≥ 95     |

## Local of Use

|                                |
|--------------------------------|
| RE - Residential   FA - Facade |
|--------------------------------|

## Settlement

|                               |
|-------------------------------|
| Dry Internal Walls Joint      |
| Wet Internal Walls Joint      |
| External Walls Joint - Facade |
| Floor joint                   |

## Recomendado

|      |
|------|
| 3 mm |
| 3 mm |
| 3 mm |
| 3 mm |

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

