

# Technical Specifications

## ABNT NBR ISO 13006

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

## Mineral Portland

Line Mineral

Tipology	Code	
<b>Porcelain Tile</b>	<b>205477E</b>	
Size (cm)	Thickness (mm)	Work Size (cm)
<b>60X60</b>	<b>7.00</b>	<b>59,85X59,85</b>
Edge	Surface	Tonality Variation
<b>Rectified</b>	<b>External</b>	<b>V1</b>

### Physical Property

Physical Property	Test Standards	Results
Water Absorption (%)	ISO 10545-3	0,5
Modulus of Breaking Strength (N/mm <sup>2</sup> )	ISO 10545-4	35
Breaking Load (N)	ISO 10545-4	1000
Moisture Expansion (mm/m)	ISO 10545-10	0,1
Resistance to Deep Abrasion (mm <sup>3</sup> )	ISO 10545-6	175
Frost Resistance	ISO 10545-12	RESIST
Resistance to Thermal Shock	ISO 10545-9	RESIST

### Chemical Property

#### Resistance to Staining

Chemical Property	Test Standards	Results
Unglazed 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

## Coefficient of Friction

Dry Surface	ABNT NBR 16919	0,7
Dry Surface	ANSI A326.3	0,6
Wet Surface	ABNT NBR 16919	0,6
Wet Surface	ANSI A326.3	0,5

## 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	± 0,35
Straightness of sides (mm)	ISO 10545-2	± 0,80
Rectangularity (mm)	ISO 10545-2	± 1,50
Surface flatness (mm)	ISO 10545-2	± 1,8 mm
Surface quality (%)	ISO 10545-2	≥ 95

## Local of Use

IU - Industrial and Urban | RE - Residential | FA - Facade

## Settlement

Dry Internal Walls Joint	1,5 mm
Wet Internal Walls Joint	1,5 mm
External Walls Joint - Facade	1,5 mm
Floor joint	1,5 mm

## Recomendado

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

