



# Technical Specifications

## ABNT NBR ISO 13006

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

## Ms. Barcelona Cristal

Line Ms. Barcelona

Tipology

**Glazed  
Porcelain Tile**

Code

**212610EE**

Size (cm)

**60X60**

Thickness (mm)

**8.00**

Work Size (cm)

**59,85X59,85**

Edge

**Rectified**

Surface

**Natural**

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

0,5
35
1500
0,1
RESIST
RESIST
RESIST

### Chemical Property

#### Resistance to Staining

Glazed Tiles
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### Test Standards

ISO 10545-14
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### Results

5
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#### 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

## Coefficient of Friction

Dry Surface	ABNT NBR 16919	0,5
Wet Surface	ABNT NBR 16919	0,4
Wet Surface	ANSI A326.3	0,43

## 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	± 0,45
Straightness of sides (mm)	ISO 10545-2	± 0,80
Rectangularity (mm)	ISO 10545-2	± 1,50
Surface quality (%)	ISO 10545-2	≥ 95

## Local of Use

HC - Heavy Commercial | RE - Residential | FA - Facade

## 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	1,5 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

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