



# Technical Specifications

## ABNT NBR ISO 13006

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

## Artifact Straw

Line Artifact

Tipology	Code	
	<b>211598E</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	$\pm 1,38$
Width (mm)	ISO 10545-2	$\pm 0,90$
Thickness (mm)	ISO 10545-2	$\pm 0,45$
Straightness of sides (mm)	ISO 10545-2	$\pm 0,80$ e $\pm 1,15$
Rectangularity (mm)	ISO 10545-2	NA e $\pm 0,80$
Surface flatness (mm)	ISO 10545-2	$\pm 0,8$ mm
Surface quality (%)	ISO 10545-2	$\geq 95$

## Local of Use

FA - Facade
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## 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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