

Technical Specifications

ABNT NBR ISO 13006

Dry-pressed ceramic tiles with low water absorption Ev ≤ 0,5% Group BIa

Berliner Sand

Line Berliner

Tipology
Glazed Porcelain Tile

Code
29597E

Size (cm)
60X120

Thickness (mm)
9.00

Work Size (cm)
59,85X119,85

Edge
Rectified

Surface
Natural

Tonality Variation
V3

Physical Property	Test Standards	Results
Water Absorption (%)	ISO 10545-3	0,5
Modulus of Breaking Strength (N/mm²)	ISO 10545-4	37
Breaking Load (N)	ISO 10545-4	1800
Moisture Expansion (mm/m)	ISO 10545-10	0,1
Crazing Resistance	ISO 10545-11	RESIST
Frost Resistance	ISO 10545-12	RESIST
Resistance to Thermal Shock	ISO 10545-9	RESIST

Chemical Property	Test Standards	Results
Resistance to Staining		
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

Para informações de recomendações de aplicação consulte o especificador virtual: http://especificadorvirtual.portobello.com.br
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Coefficient of Friction	Test Standards	Results
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.

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