



Technical Specifications

ABNT NBR ISO 13006

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

Calacatta Opera st

Line Unique

Tipology	Code	
Glazed Porcelain Tile	212831E	
Size (cm)	Thickness (mm)	Work Size (cm)
120X270	7.00	119,85X269,85
Edge	Surface	Tonality Variation
Rectified		V3

Physical Property	Test Standards	Results
Water Absorption (%)	ISO 10545-3	0,5
Modulus of Breaking Strength (N/mm²)	ISO 10545-4	1500
Breaking Load (N)	ISO 10545-4	35
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		
Unglazed Tiles	ISO 10545-14	3
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

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 quality (%)

Test Standards

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

Results

±1,00
±1,00
±0,35
±0,80
±1,50
≥ 95

Local of Use

CI - Commercial Light RE - Residential FA - Facade
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Settlement

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

Recomendado

1,5 mm
1,5 mm
1,5 mm
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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