

PRODUCT CERTIFICATE

Finished Product Laboratory

ISO 13006-10545

Equivalent to the Brazilian Norm NBR 13818

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

PRODUCT: BLUSH 6,5X23

TIPOLOGY: Mosaic

SIZE: 6,5X23

CODE: 25867E

LINE: COLOR MARKET



Characteristics	Test as per	Results
Physical		
Water Absorption (%E)	ISO 10545-3 NBR 13818 - annex: B ($0,5\% < E \leq 3,0\%$)	3
Coefficient of Linear Thermal Expansion 50 at 500°C (°C ⁻¹)	ISO 10545-8 NBR 13818 - annex: K	$\alpha = 75 \pm 2,0 \times 10^{-7}$
Modulus of Breaking Strength (MPa)	ISO 10545-4 NBR 13818 - annex: C (Average: ≥ 30)	30
Breaking Load (N)	ISO 10545-4 NBR 13818 - annex: C (Average: ≥ 700)	700
Moisture Expansion (mm/m)	ISO 10545-10 NBR 13818 - annex: J	0,3
Resistance to Deep Abrasion (mm ³)		NA
Resistance to Surface Abrasion (PEI)	ISO 10545-6 NBR 13818 - annex: D	NA
Crazing Resistance	ISO 10545-11 NBR 13818 - annex: F	Resist
Resistance to Thermal Shock	ISO 10545-9 NBR 13818 - annex: L	Resist
Chemical		
Resistance to Stains		
Green staining agent in light oil		5
Red staining agent in light oil	ISO 10545-14 NBR 13818 - annex: G	5
Iodine	(Minimum: 3)	5
Olive Oil		5
Chemical Resistance		
Hydrochloric Acid 3% (v/v)		A
Potassium Hydroxide 30g/L		A
Citric Acid 100g/L		A
Lactic Acid 5% (v/v)	ISO 10545-13 NBR 13818 - annex: H	A
Hydrochloric Acid 18% (v/v)	(Minimum: B)	A
Potassium Hydroxide 100g/L		A
Ammonium Chloride 100g/L		A
Sodium Hypochloride 20mg/L		A

Thermal

System *

Dynamic Coefficient of Friction

Recommendations for Use

RE FA

Recommendation for Application

Wall coating

* If properly installed according to ABNT NBR 13.753.

** For traditional structures of reinforced concrete according to NBR 6118 does not interfere significantly in the system results. For other types of structure, should proceed with testing on-site or prototype according to NBR 15.575.

Tijucas, 29/11/2017



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