Rua Maximiliano Gaidzinski 245 88845-000 Cocal do Sul - SC - Brasil Tel + 55 48 3447 7981 Fax + 55 48 3447 7706 www.eliane.com



TECHNICAL CHARACTERISTICS OF PRODUCT

The characteristics of the product specified in this technical report meet the specification and test methods according to norm ISO 10545 and NBR 13818 and ISO 13006 requirements.

PRODUCT SPECIFICATION

Reference	GALERIA MARFIM BR 10X10
Product Code	8027624
Nomimal Size (N)	10 cm x 10 cm
Work Size (W)	98,0 mm x 98,0 mm
Thickness	5,5 mm
Water Absorption	BIIa $(3.0\% < a \le 6.0\%)$
Shade Variation	V1 .
Application Joint	3,0 mm
Coverage Area	1,11 m ² /cx
Number of pieces per box	116
Usage Recommendation	LF

Check if the product is adequate for the planned installation area according to the room application table:

CODE	APPL	ICATION ROOM			
LA	Residendial bathrooms.				
LB	Residential areas, bedrooms and kitchens with no access to the street and LA spaces.				
LC	Commercial areas without access to the street, garages, porches and residential areas with access to the street, and LB and LA spaces.				
LD	Commercial areas with access to the street and LA, LB, and LA spaces.				
LE	Sidewalks and outside flat areas and LD, LC, LB and LA spaces.				
LP	Pools.				
LF	Façades.				
DIMENSIONAL CHARACTERISTICS					
Deviation	on W in relation to N (%)	± 2,00			
Deviation	on r1 in relation to W (mm)	± 0,90			
Deviation	on e in relation to eW (mm)	± 0,50			
Wedging	of size - deviation in relation to W (mm)	± 0,75			
Rectangularity - deviation in relation to W (mm)		± 0,75			
Edge cur	vature - deviation in relation to W (mm)	± 0,75			
Center C	urvature - deviation in relation to W (mm)	± 0,75			
Warpage - deviation in relation to W (mm)		± 0,75			

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Definition - Dimensional Characteristics

Wedging of size: occurs when the sides of the piece show a curvature either concave or convex.

Rectangularity: identifies if the tile is set square or not.

Edge curvature: occurs when one of the sides of the piece presents curvature, compared to the standard piece.

Center curvature: occurs when the center of the piece presents curvature, compared to the standard piece.

Warpage: is the difference of one of the four sides (end) related to the three sides leaned on the equipment, compared to the standard piece.

N - Nominal size (cm).

W - Work size (mm).

r - Average size of one piece (average of two sides if rectangular format and four sides when square format).

PHYSICAL PROPERTIES

Flexion resistance (N/mm²)	≥ 22
Breaking strength (N)	≥ 600
Moisture expansion (mm/m)	≤ 0,60
Crazing resistance	Guaranteed

CHEMICAL PROPERTIES			
Resistance to household chemicals and swimming pool salts - Ammonium Chloride 100g/L	≥GB		
Resistance to household chemicals and swimming pool water - Sodium Hypochlorite 20mg			
Acid - low concentration - chloridric acid 3%			
Acid - low concentration - citric acid 100g/L	≥GLB		
Alkalis - low concentration - potassium hydroxide 30g/L	≥GLB		
Resistance to staining - Green Chrome (40% in oil)			
Resistance to staining - Olive Oil			
Resistance to staining - Alcohol iodine (13g / L)			

Definition - Chemical Resistance

Codes of classification: XYZ (Ex: GHA)

 $\begin{array}{ll} X-\text{One letter:} & \text{G or U, glazed or unglazed} \\ Y-\text{One letter:} & \text{H or L, high or low concentration} \\ Z-\text{One letter:} & \text{Chemical resistance class:} \end{array}$

A = High B = Medium C = Low

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Definition - Resistance to Stain

Class 5 - The stain can be removed easily.

Class 4 - The stain can be removed with a light chemical product.

Class 3 - The stain can be removed with a strong chemical product.

Class 2 - The stain can be removed with solvent.

Class 1 - The stain can not be removed.

Attention:

- Sand may produce scratches on any type of surface covering (stone, wood, vinyl or ceramic tiles).
 Therefore, ceramic tiles are not warranted against scratches, especially concerning glossy surface products.
- · Special care is recommended during the application and its use
- In residential areas, we recommend to protect the base of furniture and appliances.
- · Product manufactured by the wet process.

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Cocal do Sul - SC - Brazil

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