Eliane S/A Revestimentos Cerâmicos



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## TECHNICAL CHARACTERISTICS OF PRODUCT

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

## **PRODUCT SPECIFICATION**

Reference	LINEAR BONE BR 10x30			
Product Code	8028014			
Nomimal Size (N)	10 cm x 30 cm			
Work Size (W)	100,0 mm x 300,0 mm			
Thickness	7,0 mm			
Water Absorption	BIII (> 10,0%)			
Shade Variation	V1			
Application Joint	2,0 mm			
Coverage Area	1,02 m²/cx			
Number of pieces per box	34			
DIMENSIONAL CHARACTERISTICS				

Deviation on W in relation to N	± 2,00 (max. ±5,0 mm)			
Deviation on r1 in relation to W	± 0,75mm	± 0,50%	(max. ±2,0 mm) <sup>1</sup>	
Deviation on e in relation to eW	± 0,50 mm	± 10,0%	(max. ±0,5 mm) <sup>1</sup>	
Wedging of size - deviation in relation to W	± 0,50 mm	± 0,30%	(max. ±1,5 mm) <sup>1</sup>	
Rectangularity - deviation in relation to W	± 0,75 mm	± 0,50%	(max. ±2,0 mm) <sup>1</sup>	
Edge curvature - deviation in relation to W	-0,50 / + 0,75 mm	-0,30 / +0,509	% (max1,50 / +2,0mm) <sup>1</sup>	
Center Curvature - deviation in relation to W	-0,50 / + 0,75 mm			
Warpage - deviation in relation to W	± 0,75 mm			
1 Specifications for the side length				

<sup>1</sup> Specifications for the side length

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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).

R - Average size of 10 pieces (average of two sides if rectangular format and four sides when square format).

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PHYSICAL PROPERTIES			
Flexion resistance (N/mm <sup>2</sup> )	≥ 15		
Breaking strength (N)	≥ 200		
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	≥GB
Acid - low concentration - chloridric acid 3%	≥GLC
Acid - low concentration - citric acid 100g/L	≥GLC
Alkalis - low concentration - potassium hydroxide 30g/L	≥GLC
Resistance to staining - Green Chrome (40% in oil)	≥Class 3
Resistance to staining - Olive Oil	≥Class 3
Resistance to staining - Alcohol iodine (13g / L)	≥Class 3

Definition - Chemical Resistance

Codes of classification: XYZ (Ex: GHA)

X - One letter: G or U, glazed or unglazed

Y – One letter: H or L, high or low concentration Z – One letter:

Chemical resistance class: A = High

> B = Medium C = Low

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.
- Product with Class I combustibility, according to NBR 15575.

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