

## TECHNICAL SHEET | DESCRIPTION OF THE PRODUCT

Product: ÓPTICO WOOD MIX MATTE

Work Dimension: 100,0x100,0cm

Format: 100,0x100,0cm

Contains: 2 Pieces 2,00 m<sup>2</sup> 21,53 SQFT

Group: Bla

Review: 3

Geometric Characteristics	ISO	Requir.	Unit.	Specification
Greater Side Dimensional Variation (w- work)	10545-2	±0,60	%	+0,030
Smaller Side Dimensional Variation (w- work)	10545-2	±0,60	%	+0,030
Greater Side Dimensional Variation (average)	10545-2	±0,50	%	+0,030
Smaller Side Dimensional Variation (average)	10545-2	±0,50	%	+0,030
Thickness Variation	10545-2	±5,0	%	±5,0
Rectitude Greater Side	10545-2	±0,50	%	±0,05
Rectitude Smaller Side	10545-2	±0,50	%	±0,05
Greater Side Orthogonal Deviation	10545-2	±0,60	%	+0,10
Smaller Side Orthogonal Deviation	10545-2	±0,60	%	+0,10
Deviation of central curvature in relation to the diagonal	10545-2	±0,50	%	+0,13/-0,10
Greater side curvature deviation	10545-2	±0,50	%	+0,18/-0,10
Smaller side curvature deviation	10545-2	±0,50	%	+0,18/-0,10
Warp in relation to the diagonal	10545-2	±0,50	%	±0,13

Physical Characteristics	ISO	Requir.	Unit.	Specification
Bend resistance	10545-4	≥35	N/mm <sup>2</sup>	≥35
Breaking Strength	10545-4	≥1300	N	≥1700
Class of Use	NBR15463	Specify	USE	2
Thermal Shock Resistance	10545-9	-	-	-
Linear Expansion Coefficient (x10 <sup>-6</sup> )	10545-8	-	C-1	-
Moisture Expansion	10545-10	-	mm/m	≤0,3
Grazing Resistance	10545-11	Required	-	Resistant
Coefficient of Dynamic friction Dry and Wet	NBR 13818	Specify	-	1
Water Absorption	10545-3	≤0,5	%	≤0,5
Quality of Surface	10545-2	≥95	%	≥95

Chemical Characteristics	ISO	Requir.	Unit.	Specification
Resistance to Chemicals	10545-13	Min.Class GB	-	GA
Resistance to Acid/Alkaline Attacks	10545-13	Specify	-	GLB
Surface Resistance to Stains	10545-14	Min.Class 3	-	5

Packing	
Box per pallet	38
M <sup>2</sup> per box	2,00
Pieces per box	2
Net weight per box (Kg)	47,6
Gross weight per box (Kg)	48,20
Weight per pallet (Kg)	1.831,60

Notes
<ul style="list-style-type: none"> <li>• Color stability is a characteristic of the product and it does not change over time;</li> <li>• The other technical characteristics of Ceusa products obey the definitions specified in the international (ISO 13006) and national (ABNT NBR 13818/97) standards;</li> <li>• The test methods for the characteristics mentioned above obey ISO 13006 and ABNT NBR 13818 standards;</li> <li>• The guarantee is directly related to the conditions of use and conservation, choosing the right product for the right place, checking the quality of the workmanship, before hiring it, correctly preparing the laying base, laying with recommended joints and grouting with mortars (flexible, washable, waterproof, soft, anti-fungus, etc.);</li> <li>• Read carefully the guidelines regarding the settlement by the standards ABNT NBR 13753, NBR 13754, NBR 13755 or according to the guidelines printed on the product packaging;</li> <li>• To clean, use clean water, white vinegar and household detergent;</li> <li>• The Ceusa product warranty and its durability are directly related to its specification, use and correct maintenance.</li> </ul>

Chemical Resistance
<ul style="list-style-type: none"> <li>• Indicates the resistance of the plate surface to contact with acids and alkalis, which are indicated by the technical standard NBR 13818, which are part of the composition of cleaning products. The slabs must have at least resistance to agents that simulate cleaning products for domestic use and swimming pool water treatment (GA - enamelled products resistant to chemicals for domestic use and swimming pool water treatment. / GLA - Enamelled product with high resistance to household chemicals and pool water treatment. / GLB - Enamelled product with high resistance to low concentration chemicals (diluted in water).</li> </ul>

### Cleanability (Stain Resistance)

- Indicates the ease of cleaning the plate surface with the staining agents indicated in NBR 13818. The classification is from 1 to 5, with class 5 being the easiest to clean and class 1 the one that does not clean. The plates must be at least class 3.

### Dynamic Friction Coefficient

- Indicates whether or not the product has slip resistance for use in wet areas. The standard NBR 13818 classifies products as Class 1 those with a friction coefficient less than 0.4 and Class 2 with a friction coefficient greater than / equal to 0.4, being indicated to be used in areas where resistance is required slip.

### Norm Performance

- Fire safety - products are classified as class I - Non-combustible.
- Soft / hard body impact - ceramic plates when tested in relation to NBR 13818 - Annex Q have a restitution coefficient > 0.55, according to the normative requirement. The ceramic plates, when correctly seated, meet the criteria established for soft body / hard body impact.
- The use classes indicated for the product must be respected to meet the friction coefficient requirement.
- Thermal, acoustic and watertight performance are inherent to the system, ceramic tiles alone are not applicable.

#### NOTES:

USE 2: Use on internal and external walls.