

<b>Sizes</b>	<b>25x150 cm</b> 25x150 9 7/8"x59" 	<b>22.5x90 cm</b> 8 7/8"x35 3/8" 	<b>15x90 cm</b> 5 7/8"x35 3/8" 	<b>40x120 cm</b> 0"x0" 	<b>45x90 cm</b> 17 3/4"x35 3/8" Lastra 20mm 	<b>60x60 cm</b> 60x60 cm Lastra 20mm 	
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<b>TECHNICAL FEATURES / TECHNICAL FEATURES</b>				<b>Requirements for nominal size N</b>			<b>AXI</b>		
				Requirements for nominal size N					
				7 cm ≤ N < 15 cm	N ≥ 15 cm	(mm)	(%)	(mm)	Matt
<b>Regularity features</b>		<b>Length and width</b> Length and width		ISO 10545-2	± 0,9 (*)	± 0,6 (*)	± 2,0 (*)	±0,3% ±1.0mm	±0,3% ±1.0mm
		<b>Thickness</b> Thickness			± 0,5 (**)	± 5 (**)	± 0,5 (**)	±5,0% ±0,5mm	±5,0% ±0,5mm
		<b>Straightness of sides</b> Straightness of sides			± 0,75 (***)	± 0,5 (***)	± 1,5 (***)	±0,3% ±0,8mm	±0,3% ±0,8mm
		<b>Rectangularity (Measurement only on short edges when L/I ≥ 3)</b> Rectangularity (Measurement only on short edges when L/I ≥ 3)			± 0,75 (****)	± 0,5 (****)	± 2,0 (****)	±0,3% ±1.5mm	±0,3% ±1.5mm
		<b>Surface flatness</b> Surface flatness			c.c. ± 0,75	c.c. ± 0,5	c.c. ± 2,0	±0,4% ±1.8mm	Not applicable
					e.c. ± 0,75	e.c. ± 0,5	e.c. ± 2,0		
					w. ± 0,75	w. ± 0,5	w. ± 2,0		
				EN 14411 annex G (Group Bla) EN 14411 annex G (Group Bla)	ISO 13006 annex G (Group Bla) ISO 13006 annex G (Group Bla)				
<b>Structural features</b>		<b>Water absorption level (in% by mass)</b> Water absorption level (in% by mass)	ISO 10545-3		<b>E<sub>B</sub> ≤ 0,5% Individual max 0,6%</b> E <sub>B</sub> ≤ 0,5% Valore max singolo 0,6%		≤0,1%	≤0,1%	≤0,1%
<b>Bulk mechanical features</b>		<b>Breaking strength</b> Breaking strength	ISO 10545-4		S ≥ 1300 N		S ≥ 2000 N	S ≥ 2000 N	S ≥ 10000 N
		<b>Modulus of Rupture</b> Modulus of Rupture			R ≥ 35 N/mm <sup>2</sup>		R ≥ 45 N/mm <sup>2</sup>	R ≥ 45 N/mm <sup>2</sup>	R ≥ 45 N/mm <sup>2</sup>
		<b>Impact resistance, as coefficient of restitution</b> Impact resistance, as coefficient of restitution	ISO 10545-5	<b>Declare a value</b> Declare a value	<b>Test method available</b> Test method available		≥0,55	≥0,55	≥0,55
<b>Surface mechanical features</b>		<b>Mohs hardness</b> Mohs hardness	EN 101 <sup>(1)</sup>		-		MOHS 6	MOHS 8	MOHS 8
		<b>Resistance to deep abrasion of unglazed tiles (removed volume)</b> Resistance to deep abrasion of unglazed tiles (removed volume)	ISO 10545-6		≤ 175 mm <sup>3</sup>		≤150mm <sup>3</sup>	≤150mm <sup>3</sup>	≤150mm <sup>3</sup>
<b>Thermo-igrometric features</b>		<b>Linear Thermal Expansion Coefficient</b> Linear Thermal Expansion Coefficient	ISO 10545-8	<b>Declare a value</b> Declare a value	<b>Test method available</b> Test method available		≤7 1/mk	≤7 1/mk	≤7 1/mk
		<b>Thermal shock resistance</b> Thermal shock resistance	ISO 10545-9	Pass according to EN ISO 10545-1 Pass according to EN ISO 10545-1	<b>Test method available</b> Test method available		Resiste	Resiste	Resiste
		<b>Expansion due to humidity (mm/m)</b> Expansion due to humidity (mm/m)	ISO 10545-10	<b>Declare a value</b> Declare a value	<b>Test method available</b> Test method available		≤0,01% (0,1mm/m)	≤0,01% (0,1mm/m)	≤0,01% (0,1mm/m)
		<b>Frost resistance</b> Frost resistance	ISO 10545-12	Pass according to EN ISO 10545-1 Pass according to EN ISO 10545-1	<b>Required</b> Required		Resiste	Resiste	Resiste
<b>Physical properties</b>		<b>Bond strength/adhesion for improved cementitious adhesives</b> Bond strength/adhesion for improved cementitious adhesives	EN 1348	<b>Declare a value</b> Declare a value	-		≥1,0 N/mm <sup>2</sup> (Class C2 - EN 12004)	≥1,0 N/mm <sup>2</sup> (Class C2 - EN 12004)	≥1,0 N/mm <sup>2</sup> (Class C2 - EN 12004)
		<b>Reaction to fire</b> Reaction to fire	-	<b>Class A1 or A1<sub>fl</sub></b> Class A1 or A1 <sub>fl</sub>	-		A1 - A1 <sub>fl</sub>	A1 - A1 <sub>fl</sub>	A1 - A1 <sub>fl</sub>
<b>Chemical features</b>		<b>Resistance to household chemicals and swimming pool salts</b> Resistance to household chemicals and swimming pool salts	ISO 10545-13	<b>Minimum Class B (UB for unglazed tiles)</b> Minimum Class B (UB for unglazed tiles)			UA	UA	UA
		<b>Resistance to low concentrations of acids and alkalis</b> Resistance to low concentrations of acids and alkalis		<b>Declare a class</b> Declare a class	<b>Manufacturer is to state classification</b> Manufacturer is to state classification		ULA	ULA	ULA
		<b>Resistance to high concentrations of acids and alkalis</b> Resistance to high concentrations of acids and alkalis		<b>Declare a class</b> Declare a class	<b>Test method available</b> Test method available		UHA	UHA	UHA
		<b>Resistance to staining for glazed tiles</b> Resistance to staining for glazed tiles	ISO 10545-14	<b>Declare a class</b> Declare a class	<b>Test method available</b> Test method available		5	5	5
<b>Safety features</b>		<b>Barefoot Ramp Test</b> Barefoot Ramp Test	DIN 51097	<b>Declare a value</b> Declare a value	-		A+B	A+B+C	A+B+C
		<b>Shod Ramp Test</b> Shod Ramp Test	DIN 51130	<b>Declare a value</b> Declare a value	-		R10	R11	R11
		<b>Pendulum Friction Test</b> Pendulum Friction Test	UNE-ENV 12633 BS 7976-2002	<b>Declare a value</b> Declare a value	-		Class 1	Class 3	Class 3
<b>Safety features</b>		<b>Coefficient of friction (COF)</b> Coefficient of friction (COF)	B.C.R.A. Rep. CEC/81	D. M. 236/89 del 14/06/89 μ >0,40 per elemento scivolante cuoio su pavimentazione asciutta μ >0,40 per elemento scivolante gomma dura su pavimentazione bagnata			>0,40 Asciutto >0,40 Bagnato	>0,40 Asciutto >0,40 Bagnato	>0,40 Asciutto >0,40 Bagnato
		<b>Dynamic Coefficient of Friction</b> Dynamic Coefficient of Friction	ANSI A137.1 - 2012	<b>ANSI A.137.1 Requires a minimum value of 0,42 for commercial areas that are likely to be wet.</b>			>0,42 Wet	>0,42 Wet	>0,42 Wet
		<b>Static Coefficient of Friction</b> Static Coefficient of Friction	ASTM C1028 - 2007	<b>The Ceramic Tiles Institute Identifies Tile Slip Resistant when SCOF ≥ 0,60</b>			≥0,60 Dry ≥ 0,60 Wet	≥0,80 Dry ≥ 0,80 Wet	≥0,80 Dry ≥ 0,80 Wet
		<b>Pendulum Friction Test</b> Pendulum Friction Test	AS/NZS 4586 - 2013	<b>Declared Classification of the pedestrian surface materials according to the Wet Pendulum Test</b>			Class P3 on demand	Class P4	Class P4

(\*) The permissible deviation, in % or mm, of the average size for each tile (2 or 4 sides) from work size (W).

(\*\*) The permissible deviation, in % or mm, of the average thickness for each tile from the work size thickness (W).

(\*\*\*) The maximum permissible deviation from straightness, in % or mm, related to the corresponding work sizes (W).

c.c. The maximum permissible deviation from centre curvature, in % or mm, related to diagonal calculated from the work sizes (W).

e.c. The maximum permissible deviation from edge curvature, in % or mm, related to the corresponding work sizes (W).

w The maximum permissible deviation from warpage, in % or mm, related to diagonal calculated from the work sizes (W).

(1) Requirements european standard EN 176.

(2) Determination of slip resistance of pedestrian surfaces; it does not cover sports surfaces and road surfaces for vehicles (skid resistance).

Anti-slip performance is guaranteed at the time of delivery of the product