



Sizes	60x120 cm 23% ¹ "x47 1/4" ± 9mm	60x60 cm 23% ¹ "x23% ¹ " ± 9mm	60x60 cm 23% ¹ "x23% ¹ " ± 10mm
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	Technical features	Test method	Requisites for nominal size N			Wise			
			7 cm ≤ N < 15 cm	N ≥ 15 cm		Polished not rectified 9mm	Polished not rectified 10mm 60x60 cm	Matte not rectified	
			(mm)	(%)	(mm)				
Regularity features		ISO 10545-2	Length and width	± 0,9 (*) Non-rect. ± 0,4 (*) Rect.	± 0,6 (*) Non-rect. ± 0,3 (*) Rect.	± 2,0 (*) Non-rect. ± 1,0 (*) Rect.	Conforme	± 0.3% ± 1.0mm	Conforme
			Thickness	± 0,5 (**)	± 5 (**)	± 0,5 (**)	Conforme	± 5.0% ± 0.5mm	Conforme
			Straightness of sides	± 0,8 (***) Non-rect. ± 0,4 (***) Rect.	± 0,5 (***) Non-rect. ± 0,3 (***) Rect.	± 1,5 (***) Non-rect. ± 0,8 (***) Rect.	Conforme	± 0.3% ± 0.8mm	Conforme
			Perpendicularity (Measurement only on short edges when L/l ≥ 3)	± 0,8 (***) Non-rect. ± 0,4 (***) Rect.	± 0,5 (***) Non-rect. ± 0,3 (***) Rect.	± 2,0 (***) Non-rect. ± 1,5 (***) Rect.	Conforme	± 0.3% ± 1.5mm	Conforme
		Surface flatness	c.c. ± 0,8 Non-rect. c.c. ± 0,6 Rect.	c.c. ± 0,5 Non-rect. c.c. ± 0,4 Rect.	c.c. ± 2,0 Non-rect. c.c. ± 1,8 Rect.	Conforme	± 0.3% ± 1.5mm	Conforme	
			e.c. ± 0,8 Non-rect. e.c. ± 0,6 Rect.	e.c. ± 0,5 Non-rect. e.c. ± 0,4 Rect.	e.c. ± 2,0 Non-rect. e.c. ± 1,8 Rect.				
Structural features		ISO 10545-3	E ≤ 0,5% Individual Maximum 0,6%			≤ 0.1%	≤ 0.1%	≤ 0.1%	
		ASTM C373-18	Requirement ANSI A137.1-2017 Water Absorption Max < 0,5%			≤ 0,5%	≤ 0,5%		
Bulk mechanical features		ISO 10545-4	Breaking strenght	S ≥ 700N (for thickness < 7,5mm) S ≥ 1300N (for thickness ≥ 7,5mm)		S ≥ 1500 N	S ≥ 1500 N		
			Bending resistance	R ≥ 35 N/mm ²		R ≥ 45 N/mm ²	R ≥ 45 N/mm ²	R ≥ 45 N/mm ²	
		EN 1339 Annex F	-						
		ISO 10545-5	Declared value		>= 0.55	>= 0.55	>= 0.55		
Surface mechanical features		EN 101	-		MOHS 5	MOHS 5	Suitable for		
		ISO 10545-6	≤ 175 mm ³		<= 150mm ³	<= 150mm ³	<= 150mm ³		

- * Permitted deviation, in % or mm, from the average size of each tile (2 or 4 sides) with respect to the manufacturing size (W).
- ** Permitted deviation, in % or mm, from the average thickness of each tile with respect to the cited manufacturing thickness (W).
- *** Maximum permitted straightness deviation, in % or mm, with respect to the corresponding manufacturing sizes (W).
- **** Maximum permitted perpendicularity deviation, in % or mm, with respect to the corresponding manufacturing sizes (W).
- **** Maximum permitted centre curvature deviation, in % or mm, with respect to the diagonal calculated according to manufacturing sizes (W).
- e.c. Maximum permitted corner curvature deviation, in % or mm, with respect to the corresponding manufacturing sizes (W).
- w. Maximum permitted bending deviation, in % or mm, with respect to the diagonal calculated according to manufacturing sizes (W).
- (1) Determining the slip resistance of pedestrian surfaces; not applicable to sports flooring or road traffic flooring.
- (2) The anti-slip performance is guaranteed at the time of delivering the product.
- (3) However, tiles with a DCOF of 0.42 or greater are not necessarily suitable for all projects. The specifier shall determine tiles appropriate for specific project conditions, considering by way of example, but not in limitation, type of use, traffic, expected contaminants, expected maintenance, expected wear, and manufacturers' guidelines and recommendations."
- (4) For further details, please refer to the outdoor design general catalogue.
- (5) Only for products with 20 mm thickness



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			(mm)		(%)				(mm)
Thermo-igrometric features	Coefficient of linear thermal expansion	ISO 10545-8	Declared value			≤7MK ⁻¹	≤7MK ⁻¹	≤7MK ⁻¹	
	Thermal shock resistance	ISO 10545-9	Test passed in accordance with ISO 10545-1			Resistant	Resistant	Resistant	
	Moisture expansion (in mm/m)	ISO 10545-10	Declared value			≤ 0.01% (0.1 mm/m)	≤ 0.01% (0.1 mm/m)	≤ 0.01% (0.1 mm/m)	
	Frost resistance	ISO 10545-12	Test passed in accordance with ISO 10545-1			Resistant	Resistant	Resistant	
Physical properties	Bond strenght	EN 1348	Declared value			≥ 1.0 N/mm ² (Class C2 - EN 12004)	≥ 1.0 N/mm ² (Class C2 - EN 12004)	≥ 1.0 N/mm ² (Class C2 - EN 12004)	
	Reaction to fire	-	Class A1 or A1 _{fl}			A1 - A1 _{fl}	A1 - A1 _{fl}	A1 - A1 _{fl}	
Chemical features	Resistance to household chemicals and swimming pool salts	ISO 10545-13	Minimum B class			UA	UA	UA	
	Resistance to low concentrations of acids and alkalis		Declared class			ULA	ULA	ULA	
	Resistance to high concentrations of acids and alkalis		Declared class					UHA	
	Stain resistance	ISO 10545-14	Declared class			5	5	5	
Safety characteristics (1)(2)	Booted ramp test	DIN 51130	Declared class					R09	
	Barefoot Ramp test	DIN 51097	Declared value					A	
	Pendulum friction Test		BS 7976	PTV ≥ 36 classifies the surface as "low slip risk"					
			AS 4586	Declared Classification of the new pedestrian surface materials according to the Pendulum Test					
			UNE-ENV 12633 UNE 41901:2017 EX	Declared value					
	Coefficient of friction	B.C.R.A. Rep. CEC/81	Min. Dec. 236/89 of 14/06/89 μ >0.40 for a sliding leather element on a dry floor μ >0.40 for a sliding hard rubber element on a wet floor						
Dynamic coefficient of friction (DCOF)	ANSI A.137.1	ANSI A.137.1-2017 Requires a minimum value of 0.42 for level interior space expected to be walked upon when wet. (3)							

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