PRISM



	Sizes	120x278 cm 47 ¼"x109 ½" ★ 6mm	120x120 cm 47 /₄"x47 /₄" X 9mm	120x120 cm 47 ¼"x47 ¼" ★ 20mm	60×120 cm 23%"x47 /₄" X 9mm	60x60 cm 23%"x23%" X 9mm	30x60 cm 11¾"x23%" X 9mm
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			Requisites for nominal size N			Prism					
			Test method	7 cm ≤ N < 15 cm	N ≥ 15 cm		Matte				
		Technical features		(mm)	(%)	(mm)	rectified 6mm 120x278 cm	Matte rectified 9mm	Grip rectified	Textured rectified	
		Length and width		± 0,9 (*) Non-rect. ± 0,4 (*) Rect.	± 0,6 (*) Non-rect. ± 0,3 (*) Rect.	± 2,0 (*) Non-rect. ± 1,0 (*) Rect.	Suitable for	Suitable for	Suitable for	Suitable for	Suitable for
	40	Thickness		± 0,5 (**)	± 5 (**)	± 0,5 (**)	Suitable for	Suitable for	Suitable for	Suitable for	Suitable for
		Straightness of sides		± 0,8 (***) Non-rect. ± 0,4 (***) Rect.	± 0,5 (***) Non-rect. ± 0,3 (***) Rect.	± 1,5 (***) Non-rect. ± 0,8 (***) Rect.	Suitable for	Suitable for	Suitable for	Suitable for	Suitable for
Regularity features	42	Perpendicularity (Measurement only on short edges when L/I ≥ 3)		± 0,8 (***) Non-rect. ± 0,4 (***) Rect.	± 0,5 (***) Non-rect. ± 0,3 (***) Rect.	± 2,0 (***) Non-rect. ± 1,5 (***) Rect.	Suitable for	Suitable for	Suitable for	Suitable for	Suitable for
		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.		Suitable for	for	for	for
				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.	Suitable for				
				w. ± 0,8 Non-rect. w. ± 0,6 Rect.	w. ± 0,5 Non-rect. w. ± 0,4 Rect.	w. ± 2,0 Non-rect. w. ± 1,8 Rect.					
Structural		Water absorption level	ISO 10545-3	E≤ 0,5% Individual Maximum 0,6%			≤0.1%	≤0.1%	≤0.1%	≤0.1%	≤0.1%
features		(in% by mass)			Requirement ANSI A137.1-2017 Water Absorption Max < 0,5%			≤0.5%	≤0.5%	≤0.5%	≤0.5%
	<u>↓</u>	Breaking strenght	ISO 10545-4	S ≥ 700N (for thickness < 7,5mm) S ≥ 1300N (for thickness ≥ 7,5mm)			S≥1000 N	S≥1500 N	S≥1500 N	S≥10000 N	S≥1500 N
		Bending resistance	150 10545-4	R ≥ 35 N/mm²			R ≥40 N/mm²	R ≥40 N/mm²	R ≥40 N/mm²	R ≥45 N/mm²	R ≥40 N/mm²
Bulk mechanical features		Bending and breaking load resistance ⁽⁴⁾⁽⁵⁾	EN 1339 Annex F	-						≥T11 120×120 90×90 ≥U4 60×120	
		Impact resistance	ISO 10545-5	Declared value			≥0.55	≥0.55	≥0.55	≥0.55	≥0.55
Surface mechanical		Mohs hardness	EN 101	-			MOHS 6	MOHS 6	MOHS 8	MOHS 8	MOHS 5
features	0	Deep abrasion resistance of unglazed tiles	ISO 10545-6	≤ 175 mm³			≤150mm³	≤150mm³	≤150mm³	≤150mm³	≤150mm³

- * 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

The technical features for the 120x278 apply to the following colors: Cotton, Cord, Suede, Fog, Cloud, Graphite / Le catteristiche tecniche per il 120x278 sono valide per i seguenti colori: Cotton, Cord, Suede, Fog, Cloud, Graphite

PRISM



Sizes	120x278 cm 47 ¼"x109 ½"	120x120 cm 47 /4"x47 /4"	120x120 cm 47 /4"x47 /4"	60x120 cm 23%"x47 /₄"	60x60 cm 23%"x23%"	30x60 cm 11¾"x23¾"
	X 6mm		* 20mm	X 9mm	▼ 9mm	X 9mm

				Requisites for nominal size N		Prism	Prism				
		Technical		7 cm ≤ N < 15 cm N ≥ 15 cm		Matte	Matte	1 115111			
		features	Test method	(mm)	(%) (mm	rectified	Matte rectified 9mm	Grip rectified	Textured rectified	Silk rectified	
		Coefficient of linear thermal expansion	ISO 10545-8	Declared valu	ıe	≤7MK ⁻¹	≤7MK ⁻¹	≤7MK ⁻¹	≤7MK ⁻¹	≤7MK ⁻¹	
Thermo-	茶	Thermal shock resistance	ISO 10545-9	Test passed in accordance w	vith ISO 10545	-1 Resistant	Resistant	Resistant	Resistant	Resistant	
features	disk.	Moisture expansion (in mm/m)	ISO 10545-10	Declared value		≤0.01% (0.1mm/m)	≤0.01% (0.1mm/m)	≤0.01% (0.1mm/m)	≤0.01% (0.1mm/m)	≤0.01% (0.1mm/m)	
	紫	Frost resistance	ISO 10545-12	Test passed in accordance w	-1 Resistant	Resistant	Resistant	Resistant	Resistant		
Physical	 	Bond strenght	EN 1348	Declared valu	≥1.0 N/mm ² (Class C2 - E 12004)		≥1.0 N/mm² (Class C2 - EN 12004)	≥1.0 N/mm² (Class C2 - EN 12004)	≥1.0 N/mm² (Class C2 - EN 12004)		
properties	*	Reaction to fire	-	Class A1 or A1 _{fl}		A1 - A1 _{fl}	A1 - A1 _{fl}	A1 - A1 _{fl}	A1 - A1 _{fl}	A1 - A1 _{fl}	
	5	Resistance to household chemicals and swimming pool salts		Minimum B class		А	А	А	А	А	
Chemical features		Resistance to low concentrations of acids and alkalis	ISO 10545-13	Declared clas	is	LA	LA	LA	LA	LA	
Toda, 35		Resistance to high concentrations of acids and alkalis		Declared class		НА	НА	НА	НА	НА	
		Stain resistance	ISO 10545-14	Declared class		5	5	5	5	5	
		Booted ramp test	DIN 51130	Declared clas	SS	R9	R10	R11	R11	N.C.	
		Barefoot Ramp test	DIN 51097	Declared valu	ıe	А	A+B	A+B+C	A+B+C	А	
			BS 7976	PTV ≥ 36 classifies the surface as "low slip risk"		sk" PTV≥36 W on demand		≥36Dry ≥36Wet	≥36Dry ≥36Wet	≥ 36 Dry ≤ 24 Wet	
Safety		Pendulum friction Test	AS 4586	Declared Classification of the surface materials according Test			Class P3	Class P4	Class P4		
characteristics (1)(2)			UNE-ENV 12633 UNE 41901:2017 EX	Declared valu	ıe	C2 on demand	Class C2	Class C3	Class C3		
			Coefficient of friction	B.C.R.A. Rep. CEC/81	Min. Dec. 236/89 of $^{\circ}$ μ >0.40 for a sliding leather $^{\circ}$ $^{\circ}$ floor $^{\circ}$ μ >0.40 for a sliding hard rub wet $^{\circ}$ floor	element on a c	>0.40Asciut	o >0.40Asciutto co >0.40Bagnato			
		Dynamic coefficent of friction (DCOF)	ANSI A.137.1	ANSI A.137.1-2 Requires a minimum value interior space expected to b when wet. (3	of 0.42 for leve be walked upo		> 0.42 Wet	> 0.42 Wet	> 0.42 Wet	> 0.42 Wet	

- * 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).
- ${}^{*****} \ \text{Maximum permitted perpendicularity deviation, in \% or mm, with respect to the corresponding manufacturing sizes (W).}$
- **** 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

PRISM



Sizes 50x120 cm 19%"x47 ¼"

★ 8.5mm

			Requisites for nominal size N			Prism	
		Technical features	Test method	7 cm ≤ N < 15 cm N≥ 15 cm		L5 cm	
				(mm)	(%) (mm)		Matte rectified
		Length and width		± 0,4 (*) Rect.	± 0,3 (*) Rect.	± 1,0 (*) Rect.	Suitable for
		Thickness	ISO 10545-2	± 0,5 (**)	± 10 (**)	± 0,5 (**)	Suitable for
		Straightness of sides		± 0,4 (***) Rect.	± 0,3 (***) Rect.	± 0,8 (***) Rect.	Suitable for
Regularity features	AK	Perpendicularity		± 0,4 (***) Rect.	± 0,3 (***) Rect.	± 1,5 (***) Rect.	Suitable for
,		·		c.c. ± 0,6 Rect.	c.c. ± 0,4 Rect.	c.c. ± 1,8 Rect	
		Surface flatness		e.c. ± 0,6 Rect	e.c. ± 0,4 Rect	e.c. ± 1,8 Rect	Suitable for
				w. ± 0,6 Rect.	w. ± 0,4 Rect.	w. ± 1,8 Rect.	
Structural features		Water absorption level (in% by mass)	ISO 10545-3		. If this value > 20 ted. Single value		10% <ev≤20%< td=""></ev≤20%<>
5		Breaking strenght			S ≥ 600N		S ≥600 N
Bulk mechanical features	↑ ↑	Bending resistance	ISO 10545-4		R ≥ 12 N/mm²		
		Coefficient of linear thermal expansion	ISO 10545-8		Declared value		
Thermo-igrometric	茶	Thermal shock resistance	ISO 10545-9	Test passed in	Test passed in accordance with ISO 10545-1		
features	stets.	Moisture expansion (in mm/m)	ISO 10545-10	Declared value			≤0.06% (0.6mm/m)
		Crazing resistance: glazed tiles	ISO 10545-11	Test passed in accordance with ISO 10545-1		Resistant	
	-	Bond strenght	EN 1348		Declared value		≥1.0 N/mm² (Class C2 - EN 12004)
Physical properties	*	Reaction to fire	-	Class A1			A1
		Resistance to household chemicals and swimming pool salts			Minimum B class		
		Resistance to low concentrations of acids and alkalis	ISO 10545-13	Declared class			LA
		Resistance to high concentrations of acids and alkalis			Declared class		
Chemical features		Stain resistance of glazed tiles	ISO 10545-14	Minimum Class 3		5	
	<u>*1</u>	Release of dangerous substances: Cadmium (in mg/dm2) and Lead (in mg/dm2)	ISO 10545-15		Declared value		≤0.01mg/dm2 Cd ≤0.1mg/dm2 Pb

^{*} 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).

 $[\]begin{tabular}{ll} ***** Maximum permitted perpendicularity deviation, in \% or mm, with respect to the corresponding manufacturing sizes (W). \end{tabular}$

^{****} 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