



<b>Formate</b> Sizes	<b>60x60 cm</b> 23 5/8"x23 5/8" ± 9mm	<b>30x60 cm</b> 11 3/4"x23 5/8" ± 9mm	
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	Caratteristica tecnica Characteristics	Metodo di prova Test Method	Requisiti per dimensione nominale N Requirements for nominal size N			PEAK FLOOR		
			7 cm ≤ N < 15 cm		N ≥ 15 cm	Matt	Matt rectified	Grip
			(mm)	(%)	(mm)			
<b>Caratteristiche di Regolarità</b> Regularity characteristics	<b>Länge und Breite</b> Length and width	ISO 10545-2	± 0,9 (*)	± 0,6 (*)	± 2,0 (*)	Suitable for	± 0.3% ±1 mm	Suitable for
	<b>Stärke</b> Thickness		± 0,5 (**)	± 5 (**)	± 0,5 (**)	± 5.0% ±0.5 mm	± 5.0% ±0.5 mm	± 5.0% ±0.5 mm
	<b>Geradlinigkeit der Kanten</b> Straightness of sides		± 0,75 (***)	± 0,5 (***)	± 1,5 (***)	Suitable for	± 0.3% ±0.8 mm	Suitable for
	<b>Ortogonalità (Misurazione da condurre solo sui lati corti quando L/l ≥ 3)</b> Rectangularity (Measurement only on short edges when L/l ≥ 3)		± 0,75 (****)	± 0,5 (****)	± 2,0 (****)	Suitable for	± 0.3% ±1.5 mm	Suitable for
<b>Struktureigenschaften</b> Structural features	<b>Ebenflächigkeit</b> Surface flatness	ISO 10545-3	c.c. ± 0,75	c.c. ± 0,5	c.c. ± 2,0	± 0.4% ±1.8 mm	± 0.4% ±1.8 mm	± 0.4% ±1.8 mm
	<b>Wasseraufnahme (come % della massa)</b> Water absorption level (in% by mass)		e.c. ± 0,75	e.c. ± 0,5	e.c. ± 2,0			
			w. ± 0,75	w. ± 0,5	w. ± 2,0			
<b>Starke mechanische Eigenschaften</b> Bulk mechanical features	<b>Bruchlast</b> Breaking strength	ISO 10545-4	S ≥ 700N (per spessore < 7,5mm - for thickness < 7,5mm) S ≥ 1300N (per spessore ≥ 7,5mm - for thickness ≥ 7,5mm)			S ≥ 1500 N	S ≥ 1500 N	S ≥ 1500 N
	<b>Biegefestigkeit</b> Modulus of Rupture	EN 1339 Annex F	R ≥ 35 N/mm <sup>2</sup>			R ≥ 40 N/mm <sup>2</sup>	R ≥ 40 N/mm <sup>2</sup>	R ≥ 40 N/mm <sup>2</sup>
	<b>Resistenza a Flessione ed al Carico di Rottura</b> Bending Strength and Breaking Load	ISO 10545-5	<b>Valore dichiarato</b> Declared value			≥ 0.55	≥ 0.55	≥ 0.55
	<b>Resistenza all'impatto, espresso come coefficiente di restituzione</b> Impact resistance, as coefficient of restitution	EN 101	-			MOHS 6	MOHS 6	MOHS 6
<b>Mechanische Eigenschaften der Oberfläche</b> Surface mechanical features	<b>Ritzhärte nach Mohs</b> Mohs hardness	ISO 10545-6	≤ 175 mm <sup>3</sup>			≤ 150mm <sup>3</sup>	≤ 150mm <sup>3</sup>	≤ 150mm <sup>3</sup>
	<b>Resistance to deep abrasion of unglazed tiles (removed volume)</b> Resistance to deep abrasion of unglazed tiles (removed volume)	ISO 10545-8	<b>Valore dichiarato</b> Declared value			≤ 7 l/mk	≤ 7 l/mk	≤ 7 l/mk
<b>Caratteristiche Termogrametriche</b> Thermo-igrometric features	<b>Wärmeausdehnungskoeffizient</b> Coefficient of linear thermal expansion	ISO 10545-9	<b>Test superato in accordo con ISO 10545-1</b> Pass according to EN ISO 10545-1			Resistant	Resistant	Resistant
	<b>Temperaturwechselbeständigkeit</b> Thermal shock resistance	ISO 10545-10	<b>Valore dichiarato</b> Declared value			≤ 0.01% (0.1 mm/m)	≤ 0.01% (0.1 mm/m)	≤ 0.01% (0.1 mm/m)
	<b>Dilatazione all'umidità (in mm/m)</b> Moisture expansion (in mm/m)	ISO 10545-12	<b>Test superato in accordo con ISO 10545-1</b> Pass according to EN ISO 10545-1			Resistant	Resistant	Resistant
	<b>Frostbeständigkeit</b> Frost resistance	EN 1348	<b>Valore dichiarato</b> Declared 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>Physikalische Eigenschaften</b> Physical properties	<b>Haftfestigkeit</b> Bond strength/adhesion for improved cementitious adhesives	-	<b>Classe A1 oppure 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>Brandverhalten</b> Reaction to fire	ISO 10545-13	<b>Classe minima B</b> Minimum Class B			UA	UA	UA
<b>Chemischen Eigenschaften</b> Chemical features	<b>Beständigkeit gegen Haushaltschemikalien und Zusatzstoffe für Schwimmbäder</b> Resistance to household chemicals and swimming pool salts	ISO 10545-14	<b>Classe dichiarata</b> Declared Class			ULA	ULA	ULA
	<b>Beständigkeit gegen niedrigkonzentrierte Säuren und Laugen</b> Resistance to low concentrations of acids and alkalis		<b>Classe dichiarata</b> Declared Class			UHA	UHA	UHA
	<b>Beständigkeit gegen hochkonzentrierte Säuren und Laugen</b> Resistance to high concentrations of acids and alkalis		<b>Classe dichiarata</b> Declared Class			5	5	5
<b>Sicherheitsmerkmale</b> Safety characteristics	<b>Resistenza alle macchie piastrelle smaltate</b> Resistance to staining for glazed tiles	DIN 51130	<b>Classe dichiarata</b> Declared Class			R10	R10	R10
	<b>Rampenmethode mit Schuhen</b> Shod Ramp Test	DIN 51097	<b>Declared value</b> Valore dichiarato			A	A	A+B+C
	<b>Rampenmethode barfuß</b> Barefoot Ramp Test	BS 7976	PTV 36 classifies the surface as "low slip risk"					
	<b>Pendelmethode</b> Pendulum Friction Test	AS 4586	Declared Classification of the new pedestrian surface materials according to the Pendulum Test					
	<b>Coefficiente di attrito</b> Coefficient of friction (COF)	UNE-ENV 12633	<b>Valore dichiarato</b> Declared value			Class 1	Class 1	Class 1
	<b>Dynamischer Reibungskoeffizient</b> Dynamic coefficient of friction (DCOF)	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 Dry >0.40 Wet	>0.40 Dry >0.40 Wet	>0.40 Dry >0.40 Wet
	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)			> 0.42 Wet	> 0.42 Wet	> 0.42 Wet	

\* Deviazione ammissibile, in % oppure mm, della dimensione media di ogni piastrella (2 oppure 4 lati) dalla dimensione di fabbricazione (W).  
 The permissible deviation, in % or mm, of the average size for each tile (2 or 4 sides) from work size (W).

\*\* Deviazione ammissibile, in % oppure mm, dello spessore medio di ogni piastrella dallo spessore riportato nella dimensione di fabbricazione (W).  
 The permissible deviation, in % or mm, of the average thickness for each tile from the work size thickness (W).

\*\*\* Deviazione massima ammissibile di rettilineità, in % oppure mm, in rapporto alle dimensioni di fabbricazione (W) corrispondenti.  
 The maximum permissible deviation from straightness, in % or mm, related to the corresponding work sizes (W).

\*\*\*\* Deviazione massima ammissibile di ortogonalità, in % oppure mm, in rapporto alle dimensioni di fabbricazione (W) corrispondenti.  
 The maximum permissible deviation from rectangularity, in % or mm, related to the corresponding work sizes (W).

c.c. Deviazione massima ammissibile della curvatura del centro, in % oppure mm, in rapporto alla diagonale calcolata secondo le dimensioni di fabbricazione (W).  
 The maximum permissible deviation from centre curvatures, in % or mm, related to diagonal calculated from the work sizes (W).

e.c. Deviazione massima ammissibile della curvatura dello spigolo, in % oppure mm, in rapporto alle dimensioni di fabbricazione (W) corrispondenti.  
 The maximum permissible deviation from edge curvatures, in % or mm, related to the corresponding work sizes (W).

w. Deviazione massima ammissibile dello svergolamento, in % oppure mm, in rapporto alla diagonale calcolata secondo le dimensioni di fabbricazione (W).  
 The maximum permissible deviation from warpage, in % or mm, related to diagonal calculated from the work sizes (W).

(1) Determinazione della resistenza allo scivolamento delle superfici pedonabili; non si applica alle pavimentazioni sportive ed alle pavimentazioni stradali veicolari.  
 Determination of slip resistance of pedestrian surfaces; it does not cover sports surfaces and road surfaces for vehicles (skid resistance).

(2) Le prestazioni anti-slip vengono garantite al momento della consegna del prodotto.  
 Anti-slip performance is guaranteed at the time of delivery of the product.  
 However, tiles with a DCOF of 0.42 or greater are not necessarily suitable for all projects.

(3) 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 outdoor design general catalogue.

(5) Only for products with 20 mm thickness.