



Formate Sizes	40x80 cm 15 3/4" x 31 1/2" ± 10mm	40x80 cm 15 3/4" x 31 1/2" ± 8,5mm
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	Caratteristica tecnica Characteristics	Metodo di prova Test Method	Requisiti per dimensione nominale N Requirements for nominal size N			KLIF WALL		
			7 cm ≤ N < 15 cm	N ≥ 15 cm		Matt rectified	Matt rectified ± 10mm 40x80 cm	
			(mm)	(%)	(mm)			
Caratteristiche di Regolarità Regularity characteristics		ISO 10545-2	Länge und Breite Length and width	± 0,75 (*)	± 0,5 (*)	± 2,0 (*)	±0.3% ±1.0mm	±0.3% ±1.0mm
			Stärke Thickness	± 0,5 (**)	± 10 (**)	± 0,5 (**)	±10.0% ±0.5mm	±10.0% ±0.5mm
			Geradlinigkeit der Kanten Straightness of sides	± 0,5 (***)	± 0,3 (***)	± 1,5 (***)	±0.3% ±0.8mm	±0.3% ±0.8mm
			Rectangularity Rechtwinkligkeit	± 0,75 (****)	± 0,5 (****)	± 2,0 (****)	±0.3% ±1.5mm	±0.3% ±1.5mm
		Ebenflächigkeit Surface flatness	c.c. + 0,75 - 0,50	c.c. + 0,5 - 0,3	c.c. + 2,0 - 1,5	±0.3% ±1.5mm	Not applicable	
e.c. + 0,75 - 0,50	e.c. + 0,5 - 0,3	e.c. + 2,0 - 1,5						
w. ± 0,75	w. ± 0,5	w. ± 2,0						
Struktureigenschaften Structural features		ISO 10545-3	Wasseraufnahme (come % della massa) Water absorption level (in% by mass)	Media >10%. Se questo valore > 20%, deve essere indicato. Valore Singolo > 9% Average >10%. When the average > 20%, this shall be indicated. Individual value > 9%			10%<EV≤20%	10%<EV≤20%
Starke mechanische Eigenschaften Bulk mechanical features		ISO 10545-4	Bruchlast Breaking strength	S ≥ 600N			S ≥600 N	S ≥600 N
			Biegefestigkeit Modulus of Rupture	R ≥ 15 N/mm ²			R ≥15 N/mm ²	R ≥15 N/mm ²
Caratteristiche Termo-igrometriche Thermo-igrometric features		ISO 10545-8	Wärmeausdehnungskoeffizient Coefficient of linear thermal expansion	Valore dichiarato Declared value			≤7 1/mk	≤7 1/mk
		ISO 10545-9	Temperaturwechselbeständigkeit Thermal shock resistance	Test superato in accordo con ISO 10545-1 Pass according to EN ISO 10545-1			Resiste	Resiste
		ISO 10545-10	Dilatazione all'umidità (in mm/m) Moisture expansion (in mm/m)	Valore dichiarato Declared value			≤0.06% (0.6mm/m)	≤0.06% (0.6mm/m)
		ISO 10545-11	Resistenza al cavillo: piastrelle smaltate Crazing resistance: glazed tiles	Test superato in accordo con ISO 10545-1 Pass according to EN ISO 10545-1			Resiste	Resiste
Physikalische Eigenschaften Physical properties		EN 1348	Haftfestigkeit Bond strength/adhesion for improved cementitious adhesives	Valore dichiarato Declared value			≥1.0 N/mm ² (Class C2 - EN 12004)	≥1.0 N/mm ² (Class C2 - EN 12004)
		-	Brandverhalten Reaction to fire	Classe A1 Class A1			A1	A1
Chemischen Eigenschaften Chemical features		ISO 10545-13	Beständigkeit gegen Haushaltschemikalien und Zusatzstoffe für Schwimmbäder Resistance to household chemicals and swimming pool salts	Classe minima B Minimum Class B			GA	GA
			Beständigkeit gegen niedrigkonzentrierte Säuren und Laugen Resistance to low concentrations of acids and alkalis	Classe dichiarata Declared Class			GLA	GLA
			Beständigkeit gegen hochkonzentrierte Säuren und Laugen Resistance to high concentrations of acids and alkalis	Classe dichiarata Declared Class			GHA	GHA
		ISO 10545-14	Resistenza alle macchie piastrelle smaltate Resistance to staining for glazed tiles	Classe 3 minima Minimum Class 3			5	5
		ISO 10545-15	Rilascio di sostanze pericolose: Cadmio (in mg/dm ²) e Piombo (in mg/dm ²) Rilascio di sostanze pericolose: Cadmio (in mg/dm ²) e Piombo (in mg/dm ²)	Valore dichiarato Declared value			≤0.01mg/dm ² Cd ≤ 0.1mg/dm ² Pb	≤0.01mg/dm ² Cd ≤ 0.1mg/dm ² Pb

* 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).

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).

(1) 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.

(2) 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."

(3) For further details, please refer to outdoor design general catalogue.

(4) Only for products with 20 mm thickness.