



Sizes FORMATI	50x110 cm 19 5/8"x43 1/4" ± 11mm	50x110 cm 19 5/8"x43 1/4" ± 8.5mm	40x80 cm 15 3/4" x 31 1/2" ± 10mm	40x80 cm 15 3/4" x 31 1/2" ± 8.5mm	30.5x56 cm 12"x22" ± 9.5mm
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TECHNICAL FEATURES / CARATTERISTICHE TECNICHE				Requirements for nominal size N Requisiti per dimensione nominale N			3D WALL DESIGN		
				7 cm ≤ N < 15 cm		N ≥ 15 cm		Matt	Shiny
				(mm)	(%)	(mm)	(mm)		
Regularity features		Length and width Lunghezza e larghezza	ISO 10545-2	± 0,75 (*)	± 0,5 (*)	± 2,0 (*)	±0.3% ±1.0mm	±0.3% ±1.0mm	
		Thickness Spessore		± 0,5 (**)	± 10 (**)	± 0,5 (**)	±10.0% ±0.5mm	±10.0% ±0.5mm	
		Straightness of sides Rettilinearità degli spigoli		± 0,5 (***)	± 0,3 (***)	± 1,5 (***)	±0.3% ±0.8mm	±0.3% ±0.8mm	
		Rectangularity Ortogonalità		± 0,75 (****)	± 0,5 (****)	± 2,0 (****)	±0.3% ±1.5mm	±0.3% ±1.5mm	
		Surface flatness Planarità		c.c. + 0,75 - 0,50	c.c. + 0,5 - 0,3	c.c. + 2,0 - 1,5	±0.3% ±1.5mm	±0.3% ±1.5mm	
			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				
				EN 14411 annex L (Group BIII) EN 14411 appendice L (Gruppo BIII)	ISO 13006 annex L (Group BIII) ISO 13006 appendice L (Gruppo BIII)				
Structural features		Water absorption level (in% by mass) Massa d'acqua assorbita (come % della massa)	ISO 10545-3	Average >10%. When the average > 20%, this shall be indicated. Individual value > 9% Media >10%. Se questo valore > 20%, deve essere indicato. Valore Singolo > 9%		10% < EB ≤ 20%	10% < EB ≤ 20%		
Bulk mechanical features		Breaking strength Sforzo di rottura	ISO 10545-4	S ≥ 600 N		S ≥ 600 N	S ≥ 600 N		
		Modulus of Rupture Resistenza alla flessione		R ≥ 15 N/mm ²		R ≥ 15 N/mm ²	R ≥ 15 N/mm ²		
Thermo-igrometric features		Linear Thermal Expansion Coefficient Coefficiente di dilatazione termica lineare	ISO 10545-8	Declare a value Dichiarare un valore	Test method available Metodo di prova disponibile	≤ 7 1/mk	≤ 7 1/mk		
		Thermal shock resistance Resistenza agli sbalzi termici	ISO 10545-9	Pass according to EN ISO 10545-1 Test superato in accordo con ISO 10545-1	Test method available Metodo di prova disponibile	Resiste	Resiste		
		Expansion due to humidity (mm/m) Dilatazione all'umidità (in mm/m)	ISO 10545-10	Declare a value Dichiarare un valore	Test method available Metodo di prova disponibile	≤ 0.06% (0.6mm/m)	≤ 0.06% (0.6mm/m)		
		Frost resistance Resistenza al gelo	ISO 10545-12	Pass according to EN ISO 10545-1 Test superato in accordo con ISO 10545-1	Required Metodo di prova richiesto	0	0		
Physical properties		Bond strength/adhesion for improved cementitious adhesives Adesione a trazione con adesivi cementizi migliorati	EN 1348	Declare a value Dichiarare un valore	-	≥ 1.0 N/mm ² (Class C2 - EN 12004)	≥ 1.0 N/mm ² (Class C2 - EN 12004)		
		Reaction to fire Reazione al fuoco	-	Class A1 or A1_{fl} Classe A1 oppure A1 _{fl}	-	A1	A1		
Chemical features		Resistance to household chemicals and swimming pool salts Resistenza ai prodotti chimici di uso domestico ed agli additivi per piscina	ISO 10545-13	Minimum Class B (GB for unglazed tiles) Classe minima B (GB per piastrelle non smaltate)		GA	GA		
		Resistance to low concentrations of acids and alkalis Resistenza a basse concentrazioni di acidi e alcali		Declare a class Dichiarare una classe	Test method available Metodo di prova disponibile	GLA	GLA		
		Resistance to high concentrations of acids and alkalis Resistenza ad alte concentrazioni di acidi e alcali		Declare a class Dichiarare una classe	Test method available Metodo di prova disponibile	GHA	GHA		
		Resistance to staining for glazed tiles Resistenza alle macchie piastrelle smaltate	ISO 10545-14	Minimum Class 3 Classe 3 minima		GA	GA		

(*) 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).
 (****) The maximum permissible deviation from rectangularity, 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

