



Sizes форматы	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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TECHNICAL FEATURES / CARATTERISTICHE TECNICHE				Requirements for nominal size N Requisiti per dimensione nominale N			ARKSHADE WALL	
				7 cm ≤ N < 15 cm		N ≥ 15 cm		
				(mm)	(%)	(mm)		(mm)
Regularity characteristics		Length and width Размеры сторон	ISO 10545-2	± 0,75 (*)	± 0,5 (*)	± 2,0 (*)	±0.3% ±1.0mm	
		Thickness Толщина		± 0,5 (**)	± 10 (**)	± 0,5 (**)	±10.0% ±0.5mm	
		Straightness of sides Straightness of sides		± 0,5 (***)	± 0,3 (***)	± 1,5 (***)	±0.3% ±0.8mm	
		Rectangularity Ортогональность		± 0,75 (****)	± 0,5 (****)	± 2,0 (****)	±0.3% ±1.5mm	
		Surface flatness Плоскостность		c.c. + 0,75 - 0,50	c.c. + 0,5 - 0,3	c.c. + 2,0 - 1,5	±0.3% ±1.5mm	
				e.c. + 0,75 - 0,50	e.c. + 0,5 - 0,3	e.c. + 2,0 - 1,5		
				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) Водопоглощение (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%<EV≤20%	
Bulk mechanical features		Breaking strength Разрушающее усилие	ISO 10545-4	S ≥ 600 N			S ≥ 600 N	
		Modulus of Rupture Предел прочности при изгибе		R ≥ 15 N/mm ²			R ≥ 15 N/mm ²	
Thermo-igrometric features		Coefficient of linear thermal expansion Температурный коэффициент линейного расширения	ISO 10545-8	Declared value Dichiarare un valore	Test method available Metodo di prova disponibile		≤ 7 1/mk	
		Thermal shock resistance Термическая стойкость	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	
		Moisture expansion (in mm/m) Dilatazione all'umidità (in mm/m)	ISO 10545-10	Declared value Dichiarare un valore	Test method available Metodo di prova disponibile		≤ 0.06% (0.6mm/m)	
		Frost resistance Морозостойкость	ISO 10545-12	Pass according to EN ISO 10545-1 Test superato in accordo con ISO 10545-1	Required Metodo di prova richiesto			
Physical properties		Bond strength/adhesion for improved cementitious adhesives Прочность сцепления	EN 1348	Declared value Dichiarare un valore			≥ 1.0 N/mm ² (Class C2 - EN 12004)	
		Reaction to fire Огнестойкость		Class A1 or A1 _{fl} Classe A1 oppure A1 _{fl}			A1	
Chemical features		Resistance to household chemicals and swimming pool salts Стойкость к химикатам, используемым в быту и для бассейнов	ISO 10545-13	Minimum Class B (GB for unglazed tiles) Classe minima B (GB per piastrelle non smaltate)			GA	
		Resistance to low concentrations of acids and alkalis Спротивление кислотам и щелочам низкой концентрации		Declare a class Dichiarare una classe	Test method available Metodo di prova disponibile		GLA	
		Resistance to high concentrations of acids and alkalis Спротивление кислотам и щелочам высокой концентрации		Declare a class Dichiarare una classe	Test method available Metodo di prova disponibile		GHA	
		Resistance to staining for glazed tiles Resistenza alle macchie piastrelle smaltate	ISO 10545-14	Minimum Class 3 Classe 3 minima			5	

(*) 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