



Conforme alla norma EN 14411:2012 Appendice L gruppo Gla
 Conforme alla norma ISO 13006:2012 Appendice L gruppo Gla
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25x150 - 9 7/8"x59"
 22.5x90 - 8 7/8"x35 3/8"
 15x90 - 5 7/8"x35 3/8"
 30x120 - 11 3/4"x47 1/4"
 60x60 - 23 5/8"x23 5/8"

10 mm
 10 mm
 10 mm
 20 mm
 20 mm

MATT
 HONED
 GRIP
 TEXTURED

Caratteristiche tecniche		Metodo di prova	Requisiti per dimensione nominale N - 2			ETIC PRO			
			Requisiti per dimensione nominale N			Matt	Honed	Grip	Lastra 20 mm
Caratteristiche tecniche		Metodo di prova	7cm <= N <= 15 cm (mm)	N >= 15 cm (%)	N >= 15 cm (mm)				
Regularity Characteristics	Length and width	ISO 10545-2	±0,9 (*)	±0,6 (*)	±2,0 (*)	±0.3% ±1.0mm	±0.3% ±1.0mm	±0.3% ±1.0mm	±0.3% ±1.0mm
	Thickness		±0,5 (**)	±5 (**)	±0,5 (**)	±5.0% ±0.5mm	±5.0% ±0.5mm	±5.0% ±0.5mm	±5.0% ±0.5mm
	Straightness of sides		±0,5 (**)	±5 (**)	±0,5 (**)	±0.3% ±0.8mm	±0.3% ±0.8mm	±0.3% ±0.8mm	±0.3% ±0.8mm
	Rectangularity		±0,5 (**)	±5 (**)	±0,5 (**)	±0.3% ±1.5mm	±0.3% ±1.5mm	±0.3% ±1.5mm	±0.3% ±1.5mm
Regularity Characteristics	Surface flatness	ISO 10545-2	c.c. ±0,75 e.c. ±0,75 w. ±0,75	c.c. ±0,5 e.c. ±0,5 w. ±0,5	c.c. ±2,0 e.c. ±2,0 w. ±2,0	±0.4% ±1.8mm	±0.3% ±1.5mm	Not applicable to "strong" structures	Not applicable to "strong" structures

Structural characteristics	Massa d'acqua assorbita (in% by mass)	ISO 10545-3	EN 14411 appendice G (Gruppo Bla)	ISO 13006 appendice G (Gruppo Bla)	=<=0.1%	=<=0.1%	=<=0.1%	=<=0.1%
			EN 14411 appendice G (Gruppo Bla)	ISO 13006 appendice G (Gruppo Bla)				
Structural characteristics	Massa d'acqua assorbita (come % della massa)	ISO 10545-3	EN 14411 appendice G (Gruppo Bla)	ISO 13006 appendice G (Gruppo Bla)	Media >10%. Se questo valore > 20%, deve essere indicato. Valore Singolo > 9%			
Bulk mechanical characteristics	Breaking strength	ISO 10545-4	S >= 1300 N		S >=2000 N	S >=2000 N	S >=2000 N	S >=10000 N
	Modulus of Rupture		R >= 35 N/mm2		R >=45 N/mm2	R >=40 N/mm2	R >=45 N/mm2	R >=45 N/mm2
Surface mechanical	Resistenza all'impatto, espresso come coefficiente di restituzione	ISO 10545-5	Dichiarare un valore	Metodo di prova disponibile	>=0.55	>=0.55	>=0.55	>=0.55
	Mohs hardness	EN 101(1)	>= 6 (UGL)		MOHS 6	MOHS 5	MOHS 8	MOHS 8
Caratteristiche Termo-Igrometriche	Resistenza all'abrasione profonda delle piastrelle non smaltate (volume materiale asportato)	ISO 10545-6	<=175 mm3		<=150mm3	<=150mm3	<=150mm3	<=150mm3
	Coefficient of thermal linear expansion	ISO 10545-8	Dichiarare un valore	Metodo di prova disponibile	<=7 1/mk	<=7 1/mk	<=7 1/mk	<=7 1/mk
Caratteristiche Termo-Igrometriche	Thermal shock resistance	ISO 10545-9	Test superato in accordo con ISO 10545-1	Metodo di prova disponibile	Resiste	Resiste	Resiste	Resiste
	Dilatazione all'umidità (in mm/m)	ISO 10545-10	Dichiarare un valore	Metodo di prova disponibile	<=0.01% (0.1mm/m)	<=0.01% (0.1mm/m)	<=0.01% (0.1mm/m)	<=0.01% (0.1mm/m)
Physical properties	Frost resistance	ISO 10545-9	Test superato in accordo con ISO 10545-1	Metodo di prova richiesto	Resiste	Resiste	Resiste	Resiste
	Bond Strength/adhesion for improved cementitious adhesives	EN 1348	Dichiarare un valore	-	>=1.0 N/mm2 (Class C2 - EN 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)
Chemical characteristics	Reaction to fire	-	Dichiarare un valore	-	A1 - A1fl	A1 - A1fl	A1 - A1fl	A1 - A1fl
	Resistance to household chemicals and swimming pool salts	ISO 10545-13	Classe minima B (GB per piastrelle non smaltate)		UA	UA	UA	UA
Resistance to low concentrations of acids and alkalis	Dichiarare una classe		ULA	ULA	ULA	ULA		
Resistance to high concentrations of acids and alkalis	Dichiarare una classe		UHA	-	UHA	UHA		
Safety characteristics	Stain resistance	ISO 10545-14	Classe 3 minima		UA	UA	UA	UA
	Barefoot Ramp Test	DIN 51097 (CENTS 16165, Annex A)	Dichiarare un valore		A	0	A+B+C	A+B+C
	Shod Ramp Test	DIN 51130 (CENTS 16165, Annex B)	Dichiarare un valore		R09	N.C.	R11	R11
Safety characteristics	Pendulum Friction Test	UNE-ENV 12633 (CENTS 16165, Annex C)	Dichiarare un valore		Class1 PTV >36Dry PTV <=25-35 Wet	Class0 PTV >36Dry PTV <24 Wet	Class3 PTV >36Dry PTV >36Wet	Class3 PTV >36Dry PTV >36Wet
	Safety characteristics	Coefficient of friction	D.M. 236/89 del 14/06/89		>0.40Asciutto >0.40Bagnato	>0.40Asciutto >0.40Bagnato	>0.40Asciutto >0.40Bagnato	>0.40Asciutto >0.40Bagnato
ANSI A137.1 Requires a minimum value of 0.42 for commercial areas that are likely to be wet			>0.42Wet	<0.42Wet	>0.42Wet	>0.42Wet		
The ceramic Tiles Institute identifies Tile Slip Resistant when SCOF >= 0,60			>=0.60Dry >=0.60Wet	>=0.60Dry >=0.60Wet	>=0.80Dry >=0.80Wet	>=0.80Dry >=0.80Wet		
Declared Classification of the pedestrian surface materials according to the Wet Pendulum Test			ClassP2	ClassP0	ClassP4	ClassP5		

(*) 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).