



Conforme alla norma EN 14411:2012 (ISO 13006:2012) Appendice G Gruppo Bla
 Complies with EN 14411:2012 (ISO 13006:2012) Appendix G Group Bla
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 Entsprechend EN 14411:2012 (ISO 13006:2012) Anhang G Gruppe Bla
 Conforme a la norma EN 14411:2012 (ISO 13006:2012) Ap "ndice G Gruppo Bla
 Соответствует норме EN 14411:2012 (ISO 13006:2012) Приложение G Группа Bla

Technical features		Metodo di prova	Requisiti per dimensione nominale N - 7			FORGE
			Requisiti per dimensione nominale N			
			7cm <= N <= 15 cm (mm)	(%)	N >= 15 cm (mm)	
Regularity features	Length and width Length and width	ISO 10545-2	±0,9 (*)	±0,6 (*)	±2,0 (*)	Compliant
Regularity features	Thickness Thickness		±0,5 (**)	±5 (**)	±0,5 (**)	Compliant
Regularity features	Straightness of sides Straightness of sides Rectangularity Rectangularity		±0,5 (**)	±5 (**)	±0,5 (**)	-
Regularity features	Surface flatness Surface flatness	ISO 10545-2	±0,5 (**) c.c. ±0,75 e.c. ±0,75 w. ±0,75	±5 (**) c.c. ±0,5 e.c. ±0,5 w. ±0,5	±0,5 (**) c.c. ±2,0 e.c. ±2,0 w. ±2,0	Compliant
Structural features	Massa d'acqua assorbita (in% by mass)	ISO 10545-3	EN 14411 appendix G (Group Bla) EN 14411 appendice G (Gruppo Bla)			<=0.5%
Structural features	Massa d'acqua assorbita (come % della massa)		ISO 13006 appendix G (Group Bla) ISO 13006 appendice G (Gruppo Bla)			
Bulk mechanical features	Breaking strength Breaking strength	ISO 10545-4	Media >10%. Se questo valore > 20%, deve essere indicato. Valore Singolo > 9%			>=350lbf. avg
Bulk mechanical features	Modulus of Rupture Modulus of Rupture		Media >10%. Se questo valore > 20%, deve essere indicato. Valore Singolo > 9%			
Bulk mechanical features	Resistenza all'impatto, espresso come coefficiente di restituzione Resistenza all'impatto, espresso come coefficiente di restituzione	ISO 10545-5	S >= 1300 N		-	
Surface mechanical features	Mohs hardness Mohs hardness	EN 101(1)	R >= 35 N/mm2		-	
Surface mechanical features	Resistenza all'abrasione profonda delle piastrelle non smaltate (volume materiale asportato) Resistenza all'abrasione profonda delle piastrelle non smaltate (volume materiale asportato)	ISO 10545-6	Declare a value Dichiarare un valore	Metodo di prova disponibile Metodo di prova disponibile	-	
Surface mechanical features	Mohs hardness Mohs hardness	EN 101(1)	>= 6 (UGL)		MOHS 6	
Surface mechanical features	Resistenza all'abrasione profonda delle piastrelle non smaltate (volume materiale asportato) Resistenza all'abrasione profonda delle piastrelle non smaltate (volume materiale asportato)	ISO 10545-6	<=175 mm3		<=150mm3	
Thermo-igrometric features	Linear Thermal Expansion Coefficient Linear Thermal Expansion Coefficient	ISO 10545-8	Declare a value Dichiarare un valore	Metodo di prova disponibile Metodo di prova disponibile	-	
Thermo-igrometric features	Thermal shock resistance Thermal shock resistance	ISO 10545-9	Test superato in accordo con ISO 10545-1 Test superato in accordo con ISO 10545-1	Metodo di prova disponibile Metodo di prova disponibile	-	
Caratteristiche Termo-igrometriche	Expansion due to humidity (mm/m) Dilatazione all'umidità (in mm/m)	ISO 10545-10	Declare a value Dichiarare un valore	Metodo di prova disponibile Metodo di prova disponibile	-	
Physical properties	Frost resistance Frost resistance	ISO 10545-9	Test superato in accordo con ISO 10545-1 Test superato in accordo con ISO 10545-1	Metodo di prova richiesto Metodo di prova richiesto	Resiste	
Physical properties	Bond Strength Bond Strength	EN 1348	Declare a value Dichiarare un valore	-	>=100 psi	
Physical properties	Reaction to fire Reaction to fire	-	Declare a value Classe A1 oppure A1 fl	-	-	
Chemical features	Resistance to household chemicals and swimming pool salts Resistance to household chemicals and swimming pool salts	ISO 10545-13	Minimum Class B (GB for unglazed tiles) Classe minima B (GB per piastrelle non smaltate)		unaffected	
Chemical features	Resistance to low concentrations of acids and alkalis Resistance to low concentrations of acids and alkalis Resistance to high concentrations of acids and alkalis Resistance to high concentrations of acids and alkalis	ISO 10545-13	Declare a class Dichiarare una classe	Metodo di prova disponibile Metodo di prova disponibile	-	
Chemical features	Stain resistance Stain resistance	ISO 10545-14	Declare a class Dichiarare una classe	Metodo di prova disponibile Metodo di prova disponibile	-	
Safety features	Barefoot Ramp Test Barefoot Ramp Test	DIN 51097 (CEN/TS 16165, Annex A)	Minimum Class 3 Classe 3 minima		unaffected	
Safety features	Shod Ramp Test Shod Ramp Test	DIN 51130 (CEN/TS 16165, Annex B)	Declare a value Dichiarare un valore	-	A	
Safety features	Pendulum Friction Test Pendulum Friction Test	UNE-ENV 12633 (CEN/TS 16165, Annex C)	Declare a value	-	R9	
Safety features	Pendulum Friction Test Pendulum Friction Test	BS 7976-2002 (CEN/TS 16165, Annex C)	Dichiarare un valore	-	Class1 PTV >36Dry PTV =25/36Wet	
Safety features	Coefficient of Friction Coefficient of Friction	B.C.R.A. Rep. CEC/81	D.M. 236/89 of 14/06/89 µ>0,40sliding item leather on dry flooring µ>0,40sliding item hard rubber on wet flooring		>0.40Asciutto >0.40Bagnato	
Safety features	Dynamic Coefficient of Friction Dynamic Coefficient of Friction	ANSI A137.1-2012	ANSI A137.1 Requires a minimum value of 0.42 for commercial areas that are likely to be wet		>0.42Wet	
Safety features	Static Coefficient of Friction Static Coefficient of Friction Pendulum Friction Test Pendulum Friction Test	ASTM C1028-2007 AS/NZS 4586-2013 Appendix A (Four S rubber)	The ceramic Tiles Institute identifies Tile Slip Resistant when SCOF >= 0,60 Declared Classification of the pedestrian surface materials according to the Wet Pendulum Test		>=0.60Dry >=0.60Wet ClassP2	

(*) 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).