



Conforme alla norma EN 14411:2012 (ISO 13006:2012) Appendice G Gruppo B1a
 Complies with EN 14411:2012 (ISO 13006:2012) Appendix G Group B1a
 Conforme à la norme EN 14411:2012 (ISO 13006:2012) Appendice G Groupe B1a
 Entsprechend EN 14411:2012 (ISO 13006:2012) Anhang G Gruppe B1a
 Conforme a la norma EN 14411:2012 (ISO 13006:2012) Ap"ndice G Grupo B1a
 Соответствует норме EN 14411:2012 (ISO 13006:2012) Приложение G Группа B1a

Technical features	Technical features	Metodo di prova	Requisiti per dimensione nominale N - 2			Requisiti per dimensione nominale N			TRUST		
			Metodo di prova	7cm <= N <= 15 cm		N >= 15 cm		Matt	Grip	Textured 20	
				(mm)	(%)	(mm)	(mm)				
Regularity features	Length and width Length and width	ISO 10545-2	±0,9 (*)	±0,6 (**)	±2,0 (*)	Suitable for	±0.3% ±1.0mm	±0.3% ±1.0mm			
	Thickness Thickness		±0,5 (**)	±5 (**)	±0,5 (**)	±5.0% ±0.5mm	±5.0% ±0.5mm	±5.0% ±0.5mm			
Regularity features	Straightness of sides Straightness of sides	ISO 10545-2	±0,5 (**)	±5 (**)	±0,5 (**)	Suitable for	±0.3% ±0.8mm	±0.3% ±0.8mm			
	Rectangularity Rectangularity		±0,5 (**)	±5 (**)	±0,5 (**)	Suitable for	±0.3% ±1.5mm	±0.3% ±1.5mm			
	Surface flatness 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	Not applicable to "strong" structures	Not applicable to "strong" structures	Not applicable to "strong" structures			
Structural features	Massa d'acqua assorbita (in% by mass)		EN 14411 appendix G (Group B1a)	ISO 13006 appendix G (Group B1a)							
Structural features	Massa d'acqua assorbita (come % della massa)	ISO 10545-3	Media >10%. Se questo valore > 20%, deve essere indicato. Valore Singolo > 9%	Media >10%. Se questo valore > 20%, deve essere indicato. Valore Singolo > 9%		<=0.1%	<=0.1%	<=0.1%			
Bulk mechanical features	Breaking strength Breaking strength	ISO 10545-4	S >= 1300 N			S >=2000 N	S >=2000 N	S >=10000 N			
Bulk mechanical features	Modulus of Rupture Modulus of Rupture		R >= 35 N/mm2			R >=45 N/mm2	R >=45 N/mm2	R >=45 N/mm2			
	Resistenza all'impatto, espresso come coefficiente di restituzione Resistenza all'impatto, espresso come coefficiente di restituzione	ISO 10545-5	Declare a value Declare a value	Metodo di prova disponibile Metodo di prova disponibile	>=0.55	>=0.55	>=0.55				
Surface mechanical features	Mohs hardness Mohs hardness	EN 101(1)	>= 6 (UGL)			MOHS 8	MOHS 8	MOHS 8			
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			<=175mm ³	<=175mm ³	<=150mm ³			
Thermo-igrometric features	Linear Thermal Expansion Coefficient Linear Thermal Expansion Coefficient	ISO 10545-8	Declare a value Declare a value	Metodo di prova disponibile Metodo di prova disponibile	<=7 1/mk	<=7 1/mk	<=7 1/mk				
	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	Resiste	Resiste	Resiste				
Thermo-igrometric features	Expansion due to humidity (mm/m) Expansion due to humidity (mm/m)	ISO 10545-10	Declare a value Declare a value	Metodo di prova disponibile Metodo di prova disponibile	<=0.01% (0.1mm/m)	<=0.01% (0.1mm/m)	<=0.01% (0.1mm/m)				
	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	Resiste	Resiste				
Physical properties	Bond Strength Bond Strength	EN 1348	Declare a value Declare a value	-	>=1.0 N/mm2 (Class C2 - EN 12004)	>=1.0 N/mm2 (Class C2 - EN 12004)	>=1.0 N/mm2 (Class C2 - EN 12004)				
Physical properties	Reaction to fire Reaction to fire	-	Declare a value Class A1 or A1 fl	-	A1 - A1fl	A1 - A1fl	A1 - A1fl				
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) Minimum Class B (GB for unglazed tiles)			UA	UA	UA			
	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		Declare a class Declare a class Declare a class Declare a class	Metodo di prova disponibile Metodo di prova disponibile Metodo di prova disponibile Metodo di prova disponibile	ULA	ULA	ULA				
Chemical features	Stain resistance Stain resistance	ISO 10545-14	Minimum Class 3 Minimum Class 3			UHA	UHA	UHA			
Safety features	Barefoot Ramp Test Barefoot Ramp Test	DIN 51097 (CEN/TS 16165, Annex A)	Declare a value Declare a value		A+B	A+B+C	A+B+C				
	Shod Ramp Test Shod Ramp Test	DIN 51130 (CEN/TS 16165, Annex B)	Declare a value Declare a value		R10	R12	R11				
Safety features	Pendulum Friction Test Pendulum Friction Test	UNE-ENV 12633 (CEN/TS 16165, Annex C) BS 7976-2002 (CEN/TS 16165, Annex C)	Declare a value Declare a value		Class2 PTV >36Dry =25+35 Wet	Class3 PTV >36Dry >36Wet	Class3 PTV >36Dry >36Wet				
	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			>0.40Ascittito >0.40Bagnato	>0.40Ascittito >0.40Bagnato	>0.40Ascittito >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	>0.42Wet	>0.42Wet			
	Static Coefficient of Friction Static Coefficient of Friction	ASTM C1028-2007	The ceramic Tiles Institute identifies Tile Slip Resistant when SCOF >= 0,60			>=0.60Dry >=0.60Wet	>=0.60Dry >=0.60Wet	>=0.80Dry >=0.80Wet			
Safety features	Pendulum Friction Test Pendulum Friction Test	AS/NZS 4586-2013	Declared Classification of the pedestrian surface materials according to the Wet Pendulum Test			ClassP3	ClassP4	ClassP4			

(*) 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).