



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

Technical features	Metodo di prova	Requisiti per dimensione nominale N - 2			AXI		
		7cm <= N <= 15 cm (mm)	N >= 15 cm		Matt	Textured	Textured 20
			(%)	(mm)			
Length and width		±0,9 (*)	±0,6 (**)	±2,0 (*)	±0.3%	±0.3%	±0.3%
Thickness		±0,5 (**)	±5 (**)	±0,5 (**)	±5.0%	±5.0%	±5.0%
Straightness of sides	ISO 10545-2	±0,5 (**)	±5 (**)	±0,5 (**)	±0.3%	±0.3%	±0.3%
Rectangularity		±0,5 (**)	±5 (**)	±0,5 (**)	±0.3%	±0.3%	±0.3%
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	±0.3%	Not applicable to "strong" structures	±0.3%

Structural features	Metodo di prova	EN 14411 appendix G (Group Bia)		ISO 13006 appendix G (Group Bia)		S >= 2000 N	S >= 2000 N	S >= 10000 N
		EN 14411 appendix G (Group Bia)	EN 14411 appendix G (Group Bia)	ISO 13006 appendix G (Group Bia)	ISO 13006 appendix G (Group Bia)			
Massa d'acqua assorbita (in% by mass)		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%
Breaking strength	ISO 10545-3	S >= 1300 N		S >= 1300 N		S >= 2000 N	S >= 2000 N	S >= 10000 N
Modulus of Rupture	ISO 10545-4	R >= 35 N/mm2		R >= 35 N/mm2		R >= 45 N/mm2	R >= 45 N/mm2	R >= 45 N/mm2
Resistenza all'impatto, espresso come coefficiente di restituzione	ISO 10545-5	Declare a value		Metodo di prova disponibile		>=0.55	>=0.55	>=0.55
Mohs hardness	EN 101(1)	>= 6 (UGL)		>= 6 (UGL)		MOHS 6	MOHS 8	MOHS 8
Resistenza all'abrasione profonda delle piastrelle non smaltate (volume materiale asportato)	ISO 10545-6	<=175 mm3		<=175 mm3		<=150mm3	<=150mm3	<=150mm3
Linear Thermal Expansion Coefficient	ISO 10545-8	Declare a value		Metodo di prova disponibile		<=7 1/mk	<=7 1/mk	<=7 1/mk
Thermal shock resistance	ISO 10545-9	Test superato in accordo con ISO 10545-1		Metodo di prova disponibile		Resiste	Resiste	Resiste
Expansion due to humidity (mm/m)	ISO 10545-10	Declare a value		Metodo di prova disponibile		<=0.01% (0.1mm/m)	<=0.01% (0.1mm/m)	<=0.01% (0.1mm/m)
Frost resistance	ISO 10545-9	Test superato in accordo con ISO 10545-1		Metodo di prova richiesto		Resiste	Resiste	Resiste
Bond Strength	EN 1348	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)
Reaction to fire	-	Class A1 or A1 fl		-		A1 - A1fl	A1 - A1fl	A1 - A1fl
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		Declare a class		Metodo di prova disponibile		ULA	ULA	ULA
Resistance to high concentrations of acids and alkalis		Declare a class		Metodo di prova disponibile		UHA	UHA	UHA
Stain resistance	ISO 10545-14	Minimum Class 3		Minimum Class 3		UA	UA	UA
Barefoot Ramp Test	DIN 51097 (CEN/TS 16165, Annex A)	Declare a value		Declare a value		A	A+B+C	A+B+C
Shod Ramp Test	DIN 51130 (CEN/TS 16165, Annex B)	Declare a value		Declare a value		R9	R11	R11
Pendulum Friction Test	UNE-ENV 12633 (CEN/TS 16165, Annex C)	Declare a value		Declare a value		Class1 PTV >36Dry >36Wet	Class3 PTV >36Dry >36Wet	Class3 PTV >36Dry >36Wet
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		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		>0.40Ascitto >0.40Bagnato	>0.40Ascitto >0.40Bagnato	>0.40Ascitto >0.40Bagnato
Dynamic Coefficient of Friction	ANSI A137.1-2012	The ceramic Tiles Institute identifies Tile Slip Resistant when SCOF >= 0,60		The ceramic Tiles Institute identifies Tile Slip Resistant when SCOF >= 0,60		>0.42Wet	>0.42Wet	>0.42Wet
Static Coefficient of Friction	ASTM C1028-2007	Declared Classification of the pedestrian surface materials according to the Wet Pendulum Test		Declared Classification of the pedestrian surface materials according to the Wet Pendulum Test		>=0.60Dry >=0.60Wet	>=0.80Dry >=0.80Wet	>=0.80Dry >=0.80Wet
Pendulum Friction Test	AS/NZS 4586-2013	Appendix A (Four S rubber)		Appendix A (Four S rubber)		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).