

TECHNICAL CHARACTERISTICS

Technical chart data refer to plain tiles only

CHARACTERISTICS	TESTING METHOD	MEASUREMENT UNIT	AVERAGE TYPICAL VALUES	ESTABLISHED LIMITS	REFERENCE STANDARD	
Dimensions	ISO 10545_2	mm %	Compliant	N ≥ 15	UNI EN 14411-G	
Length and width				(a) ± 2% (max 5 mm)		(a) ± 2% (max 5 mm) ± 2% (max 5 mm)
Rectangularity				(b) ± 0.9 mm		(b) ± 0.6% ± 2.0 mm
Thickness				± 0.8 mm		± 0.5% ± 2.0 mm
Edge straightness				± 0.5 mm		± 5% ± 0.5 mm
Flatness				± 0.8 mm		± 0.5% ± 1.5 mm
Appearance				(c) ± 0.8 mm		(c) ± 0.5% ± 2.0 mm
Water absorption	ISO 10545_3	%	≤ 0.5	≥ 95% ≤ 0.5 Maximum single value 0.6%		
Resistance to bending	ISO 10545_4	N/mm ²	≥ 35	R ≥ 35	UNI EN 14411-G	
Modulus of rupture				Minimum single value 32		
Breaking strength	ISO 10545_4	N	≥ 1300	≥ 1300	UNI EN 14411-G	
Resistance to deep abrasion	ISO 10545_6	mm ³	≤ 175	≤ 175	UNI EN 14411-G	
Resistance to surface abrasion	internal method	internal class	from F to H		UNI EN 14411-G	
Frost resistance	ISO 10545_12		Compliant	Test passed in accordance with EN ISO 10545-1	UNI EN 14411-G	
Thermal shock resistance	ISO 10545_9		Compliant	Test passed in accordance with EN ISO 10545-1	UNI EN 14411-G	
Coefficient of linear thermal expansion	ISO 10545_8	X10 ⁻⁶ / °C	≤ 9	Value declared	UNI EN 14411-G	

CHARACTERISTICS	TESTING METHOD	MEASUREMENT UNIT	AVERAGE TYPICAL VALUES	ESTABLISHED LIMITS	REFERENCE STANDARD
Resistance to staining	ISO 10545_14		class 5	class 3 minimum	UNI EN 14411-G
Resistance to chemicals for household use and swimming pool salts	ISO 10545_13		A	GB minimum GB minimum	UNI EN 14411-G
Resistance to acids and bases			LA - LB HA - HB	Value declared	UNI EN 14411-G
Color resistance to light exposure	DIN 51094		Compliant	No sample must show noticeable colour modifications	
Skid resistance	RAMP METHOD		R10	from R9 to R13	DIN 51130 DGUV REGEL 108-003*
Skid resistance	RAMP METHOD		A+B	from A to C	DIN 51097 GUV-26.17**
Mean coefficient of friction	B.C.R.		$\mu > 0.40$	$\mu > 0.40$	D.M. N°236 14/6/1989
Skid resistance	PENDULUM		class 3		UNE 41901:2017 EX DB SUA [actual]
Skid resistance	PENDULUM		PTV > 36	0 - 24 Slippery 25 - 35 Moderately slippery > 36 Low slipping risk	BSEN13036-4:2011
Skid resistance	DIGITAL TRIBOMETER (D-COF)		> 0.42	> 0.42	ANSI A326.3:2017

(a) Permissible difference between work size and nominal size

(b) Permissible % variation in the average size of a single tile (2 or 4 sides) from the work size

(c) c.c. Maximum permissible deviation, in % or mm, in the center curvature from the diagonal calculated on the basis of the work size |

* Flooring of work environments and operating areas with slippery surface.

** Flooring for wet areas to be walked on barefoot