FONDOVALLE

Technical characteristics according to international standards for CERAMIC TILES, UNI EN ISO 14411: 2016

Requirements of Group Bla UGL

Series STONE LAB (Thickness 6/20 mm)

Technical characteristics	Test methods	Requirements EN 14411	Fondovalle Values	
			L < 120 cm	**L ≥ 120 cm**
Lenght and Width Average deviation (%) of each tile by the size of production	UNI EN ISO 10545-2	± 0,6% ± 2 mm	± 0,6% ± 0,5 mm	± 0,6% ± 0,9 mm
Thickness		± 5% ± 0,5 mm	± 5% ± 0,5 mm	± 3% ± 0,5 mm
Straightness of the edges		± 0,5% ± 1,5 mm	± 0,5% ± 1,5 mm	± 0,5% ± 1,5 mm
Rectangularity		± 0,5% ± 2 mm	± 0,5% ± 1 mm	± 0,5% ± 2 mm
Planarity		± 0,5% ± 2 mm	± 0,5% ± 2 mm	± 0,5% ± 2 mm
Surface quality		≥ 95%	Compliant	Compliant
Water absorption	UNI EN ISO 10545-3	≤ 0,5%	≤ 0.1%	Compliant
Modulus of rupture	UNI EN ISO 10545-4	R Average ≥ 35 N/mm² R Minimum ≥ 32N/mm²	h = 6 mm; R ≥ 50 N/mm² h = 2 cm; R ≥ 40 N/mm²	
Breaking strength		h ≥ 7,5 mm; S > 1300 N/mm² h < 7,5 mm; S > 700 N/mm²	h = 6 mm; S > 700 N /mm² h = 2 cm; S > 9000 N /mm²	
Resistance to surface abrasion	UNI EN ISO 10545-7	Class 1-5	Compliant	
Resistance to thermal chock	UNI EN ISO 10545-9	Resistant	Resistant	
Frost resistance	UNI EN ISO 10545-12	Resistant	Frost proof	
Chemical Resistance	UNI EN ISO 10545-13	Declared values; B minimum	**A; LA; HA**	
Stain resistance	UNI EN ISO 10545-14	Minimum Class 3	Declared	
Resistance of colors to light	DIN 51094	Resistant	Resistant	
Slip resistance *	DNI EN 16165_A	From A to C	**A + B + C (H20)** **A (6 mm)**	
	DNI EN 16165_B	From R9 to R13	**R 11 (H20)** **NC (6 mm)**	
	ANSI A 137.1:2012	> 0,42 wet	> 0,42 wet	
Skid resistance Pendulum *	UNI EN 16165_C	PTV > 36 wet	PTV > 36 wet (H20) 25-35 (6 mm)	
Fire Reaction	UNI EN 13501-1	Resistant	Resistant A1 FL	

* Stated values are obtained from laboratory tests. They may vary depending on the production batch.

COMPLIANCE FOR FOOD CONTACT MATERIAL (Conformità MOCA)

CQY CERTIQUALITY