

SUPERIOR ITALIAN PORCELAIN



FLOORS



WALLS



FACING SYSTEMS



RESIDENTIAL INDOOR



RESIDENTIAL OUTDOOR



PUBLIC INDOOR



PUBLIC OUTDOOR



HEAVY TRAFFIC

TECHNICAL TABLE PORCELAIN STONEWARE

Conforming to standards EN 14411 ISO 13006 APPENDIX G GROUP BIa UGL con $Ev \leq 0,5\%$

PHYSICAL PROPERTIES	TESTING METHOD	REFERENCE STANDARD	7cm ≤ N < 15 cm (mm)		N ≥ 15 cm (%) (mm)		PRODUCT VALUES
			±0.9	±0.6	±2.0	±0.2 %	
Sizes	EN ISO 10545-2	Length and width Thickness Linearity Wedging Warpage Appearance: percentage of acceptable tiles, per lot	±0.5	±5.0	±0.5	±5 %	Rectified
			±0.75	±0.5	±1.5	±0.2 %	
			±0.75	±0.5	±2.0	±0.2 %	
			±0.75	±0.5	±2.0	±0.2 %	
			95 % min.	95 % min.	-		
Water absorption %	EN ISO 10545-3	$Ev \leq 0,5\%$				< 0,1 %	
Modulus of rupture Breakage resistance	EN ISO 10545-4	Average Value 35 N/mm ² min. sp. > = 7,5 mm: min 1300 N sp. < 7,5 mm: min 700 N				45 N/mm ² 2500 N (9 mm)	
Scratch resistance	EN ISO 10545-6	175 mm ³ max.				Medio < 150 mm ³	
Thermal expansion coefficient	EN ISO 10545-8	Declared Value				6,8 MK-1	
Thermal shock resistance	EN ISO 10545-9	Test passed according to ISO 10545-1				* Resistente	
Frost resistance	EN ISO 10545-12	Test passed according to ISO 10545-1				* Resistente	
Resistance to low concentration of acids and alkali		Declared Value				* Resistente	
Resistance to high concentration of acids and alkali	EN ISO 10545-13	Declared Value				* Resistente	
Resistance to domestic chemicals and additives for swimming pools		UB min.				UA	
Stain resistance of unglazed matte porcelain	EN ISO 10545-14	Declared Value				* Resistente	
Friction coefficient (slipperiness)	DIN 51130					Valore dichiarato	
	DIN 51097	If needed				Valore dichiarato	
	B.C.R.A. - D.M.236/ 89					> 0,40 Dry / > 0,40 Wet	
	ANSI A326.3					≥ 0,42 Wet	

SUPERIOR ITALIAN PORCELAIN



PAVIMENTO



RIVESTIMENTO














INTERNO RESIDENZIALE



INTERNO PUBBLICO

TECHNICAL TABLE PORCELAIN STONEWARE

Conforming to standards EN 14411 ISO 13006 APPENDIX G GROUP BIa GL con Ev ≤ 0,5%

PHYSICAL PROPERTIES	TESTING METHOD	REFERENCE STANDARD	PRODUCT VALUES		
 Sizes	EN ISO 10545-2	N ≥ 15 cm			
		(%) (mm)			
		Lenght and width	±0.6	±2.0	±0.2 %
		Thickness	±5.0	±0.5	±0.6 %
		Linearity	±0.5	±1.5	±0.2 %
		Wedging	±0.5	±2.0	±0.2 %
		Warpage	±0.5	±2.0	±0.2 %
		Curvature of the center	±0.5	±2.0	
		Curvature of the corner	±0.5	±2.0	
		Buckling	±0.5	±2.0	
		Appearance: percentage of acceptable tiles, per lot	95% of the tiles free from visible defects		
 Water absorption %	EN ISO 10545-3	Ev ≤ 0,5%	Accordant		
 Modulus of rupture Breakage resistance	EN ISO 10545-4	Min 35 N/mm ² sp. > = 7,5 mm: min 1300 N sp. < 7,5 mm: min 700 N	Accordant Accordant		
 Scratch resistance	EN ISO 10545-6	Requested	See the single tile		
 Thermal expansion coefficient	EN ISO 10545-8	* Test method available	6,8 MK-1		
 Thermal shock resistance	EN ISO 10545-9	* Test method available	* Resistant		
 Determination of resistance to crazing		Requested	* Resistant		
 Frost resistance	EN ISO 10545-12	Requested	* Resistant		
Resistance to low concentration of acids and alkali		As declared by the producer	* Resistant		
 Resistance to high concentration of acids and alkali	EN ISO 10545-13	Test method available	* Resistant		
Resistance to domestic chemicals and additives for swimming pools		GB min.	Accordant		
 Stain resistance of unglazed matte porcelain	EN ISO 10545-14	Declared Value	* Resistant		
 Friction coefficient (slipperiness)	B.C.R.A. - D.M.236/ 89	If needed	Valore disponibile a richiesta		