





## WHITE EXPERIENCE



FLOOR



WALL



FACING SYSTEMS



RESIDENTIAL INDOOR



RESIDENTIAL OUTDOOR



PUBLIC INDOOR



PUBLIC OUTDOOR



HEAVY TRAFFIC

### TECHNICAL TABLE PORCELAIN STONEWARE

CONFORMING TO STANDARDS

EN 14411 ISO 13006 ANNEX G GROUP BIa UGL CON Eb ≤ 0,5%

PHYSICAL PROPERTIES	TESTING METHOD	REFERENCE STANDARD	PRODUCT VALUES			
			7cm ≤ N < 15 cm (mm)	N ≥ 15 cm (%)	(mm)	
 Sizes	EN ISO 10545-2		Length and width	±0.9	±0.6 ±2.0	<b>Rectified</b>
			Thickness	±0.5	±5.0 ±0.5	
			Linearity	±0.75	±0.5 ±1.5	
			Wedging	±0.75	±0.5 ±2.0	
			Warpage	±0.75	±0.5 ±2.0	
		Appearance: percentage of acceptable tiles, per lot	95 % min.	95 % min.	-	Conforming
 Water absorption %	EN ISO 10545-3	Eb ≤ 0,5%				Conforming
 Modulus of rupture	EN ISO 10545-4	Valore medio 35 N/mm <sup>2</sup> min.				Conforming
 Breakage resistance		sp. > = 7,5 mm: min 1300 N sp. < 7,5 mm: min 700 N				Conforming
 Scratch resistance	EN ISO 10545-6	175 mm3 max.				Average < 150 mm3
 Thermal expansion coefficient	EN ISO 10545-8	Declared value				6,8 MK <sup>-1</sup>
 Thermal shock resistance	EN ISO 10545-9	Pass according to iso 10545-1				* Resistant
 Frost resistance	EN ISO 10545-12	Pass according to iso 10545-1				* Resistant
Resistance to low concentrations of acids and alkali		Declared value				* Resistant
 Resistance to high concentrations of acids and alkali	EN ISO 10545-13	Declared value				* Resistant
Resistance to domestic chemicals and additives for swimming pools		UB min.				UA
 Stain resistance of unglazed matte porcelain	EN ISO 10545-14	Declared value				* Resistant
 Brilliance						More or equal to that of marble and granite
 Color resistance to light	DIN 51094	No noticeable color change.				No alteration after testing
 Friction coefficient (slipperiness)	DIN 51130					Declared value
	DIN 51097					Declared value
	B.C.R.A. - D.M.236/ 89	If needed				> 0,40 Dry / > 0,40 Wet
	ASTM C1028-2007					> 0,60 Dry / ≥ 0,60 Wet
	ANSI A 137.1-2012					≥ 0,42 Wet



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PHYSICAL PROPERTIES	TESTING METHOD	REFERENCE STANDARD	PRODUCT VALUES		
			N ≥ 15 cm		
			(%)	(mm)	
Sizes	EN ISO 10545-2	Length and width	±0.6	±2.0	<b>Rectified</b> Conforming
		Thickness	±5.0	±0.5	
		Linearity	±0.5	±1.5	
		Wedging	±0.5	±2.0	
		Warpage	±0.5	±2.0	
		Centre curvature	±0.5	±2.0	
		Déformation du bord	±0.5	±2.0	
		Warpage	±0.5	±2.0	
		Surface quality	95% of tiles with no visible flaws		
Water absorption %	EN ISO 10545-3	Eb ≤ 0,5%	Conforming		
Modulus of rupture		Min 35 N/mm <sup>2</sup>	Conforming		
Breakage resistance	EN ISO 10545-4	sp. > = 7,5 mm: min 1300 N	Conforming		
		sp. < 7,5 mm: min 700 N	Conforming		
Abrasion resistance	EN ISO 10545-7	Required	See single tile picture		
Thermal expansion coefficient	EN ISO 10545-8	* Testing method available	6,8 MK <sup>-1</sup>		
Thermal shock resistance	EN ISO 10545-9	* Testing method available	* Resistant		
Glaze crazing resistance	EN ISO 10545-11	Required	* Resistant		
Frost resistance	EN ISO 10545-12	Required	* Resistant		
Resistance to low concentrations of acids and alkali		See manufacturer's declaration	* Resistant		
Resistance to high concentrations of acids and alkali	EN ISO 10545-13	* Testing method available	* Resistant		
Resistance to domestic chemicals and additives for swimming pools		GB min.	Conforming		
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	See single tile picture		