



SANDS EXPERIENCE

SPECIFICATION PORCELAIN STONEWARE

MATERIAL

Porcelain stoneware.

Classified in GROUP Bla UGL CON $E_b \leq 0,5\%$ and GROUP Bla GL CON $E_b \leq 0,5\%$.

Complies with all the requirements of UNI EN 14411 ISO 13006 APP. G standards.

Sands Experience, stone effect collections that takes inspiration from sandstones, includes a range of 6 colors inspired by modern architecture and 8 different surface finish. The collection is available in 3 different thickness: 9,5 mm (available in all colors and finishes), the new special thickness 6mm (only in colors: White, Grey, Flax and Mud) which is characterized by big slabs in size 160x320, 240x120 and its submultiple 120x120 cm; and the special 20 mm thickness, Antislip R11 A+B+C, perfect for outdoor solutions such as gardens, terraces, etc...

COLOR		SIZES		SURFACE	THICKNESS	
	WHITE	V2	FLAT MATTE RECTIFIED (MEGA) 160x320 (62 ^{7/8} "x125 ^{3/4} ") . 120x240 (48"x96") . 120x120 (48"x48") (only WHITE, GREY, FLAX, MUD)	FLAT (MEGA)	6MM (MEGA)	
	BEIGE	V2	FLAT MATTE RECTIFIED 80x160 (32"x64") . 60x120 (23 ^{5/8} "x48") . 80x80 (32"x32")	FLAT		
	GREY	V2	MATTE RECTIFIED 60x120 (23 ^{5/8} "x48") . 20x120 (8"x48") . 60x60 (23 ^{5/8} "x23 ^{5/8} ") . 30x60 (11 ^{7/8} "x23 ^{5/8} ") . 15x60 (6"x23 ^{5/8} ")	MATTE		
	FLAX	V2	POLISHED RECTIFIED 60x120 (23 ^{5/8} "x48") . 20x120 (8"x48") . 60x60 (23 ^{5/8} "x23 ^{5/8} ") . 30x60 (11 ^{7/8} "x23 ^{5/8} ")	POLISHED		9,5 MM
	MUD	V2	LINE RECTIFIED / FLAMED RECTIFIED 60x120 (23 ^{5/8} "x48") . 20x120 (8"x48")	LINE		20MM
	BLACK	V2	WAVE RECTIFIED 60x120 (23 ^{5/8} "x48")	WAVE		
			ANTISLIP RECTIFIED 60x60 (23 ^{5/8} "x23 ^{5/8} ")	FLAMED		
			ANTISLIP RECTIFIED (20 MM) 60x120 (23 ^{5/8} "x48") (only FLAX, BLACK)	ANTISLIP		

PROCESS

UGL: Product obtained from exceptionally pure, choice quality raw materials, including light-coloured clays, feldspar fluxes, kaolins, sands and coloured ceramic pigments. Pressing in hydraulic presses allows a pressure of over 500kg/cm² to be applied to the product, guaranteeing dimensional precision, planarity and high mechanical strength. The product's colours and patterns are achieved with the innovative Digital Technology. The materials are fired in single-layer roller kilns at temperatures of over 1,220°C.

GL: Slabs obtained by pressing a pale-coloured spray-dried body mix of choice clays, glazed with satined glazes. Tiles are machined after cooking with the lapping process, that make them shiny and silky like natural stones. The colours are obtained using high-purity colorant oxides. The patterning is produced with the innovative DIGITAL TECHNOLOGY which offers an appearance of unrivalled beauty by re-creating the countless vein patterns of the different types of marble in high definition and with a precision in the details that make it difficult, if not impossible, to distinguish the material from the natural stones. The materials are fired in single-layer roller kilns at temperatures of over 1,200°C.

GREEN BUILDING: CERTIFIED ENVIRONMENTAL SUSTAINABILITY

The tiles in the Sands Experience collection are ideal for eco-sustainable building:

- They are produced in plants which have an EMAS-ISO 14001 certified environmental management system.
- They help to obtain credits for the construction of buildings in accordance with the LEED certification programme.

Size

Finishes

Color Type





SANDS 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
			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. -	Rectified Conforming
 Water absorption %	EN ISO 10545-3	Eb ≤ 0,5%		Conforming
 Modulus of rupture	EN ISO 10545-4	Valore medio 35 N/mm ² 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 ⁻¹
 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



SANDS EXPERIENCE



FLOOR



WALL



RESIDENTIAL INDOOR



PUBLIC INDOOR

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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	Rectified 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 ²	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 ⁻¹		
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		