

# MARBLE EXPERIENCE

## SPECIFICATION PORCELAIN STONEWARE


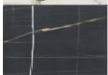


### MATERIAL

Porcelain stoneware.

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

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

Marble Experience is a project-collection inspired by the most precious and expensive marbles. The collection includes 4 different colors, (Statuario Lux, Orobico Gray, Calacatta Gold and Sahara Noir), 2 warm and 2 cold; and 5 different surface finishes: Matte, Polished, Honed Satin, Brushed and Ribbed; and 2 different thicknesses: 9.5mm and 6mm. The collection is finally enriched by a multiplicity of sizes: the large slabs 6mm thick (160x320, 120x260, 120x120) perfect for high-traffic projects but also suitable for residential environments.

COLOR		SIZES	SURFACE	THICKNESS
	CALACATTA GOLD	<b>POLISHED RECTIFIED (MEGA)</b> 160x320* (62" x 125 3/4") . 120x260 (48" x 102 3/4") . 120x120 (48" x 48") (*all except for: OROBICO GREY) <b>POLISHED RECTIFIED</b> 80x160 (32" x 64") . 20x160 (8" x 64") . 60x120 (23 3/4" x 48") . 20x120 (8" x 48") . 80x80 (32" x 32") . 60x60 (23 3/4" x 23 3/4") . 10x30 (4" x 11 3/4")	POLISHED (MEGA)	6MM (MEGA)
	SAHARA NOIR		<b>HONED SATIN RECTIFIED / MATTE RECTIFIED</b> 80x160 (32" x 64") . 20x160 (8" x 64") . 60x120 (23 3/4" x 48") . 20x120 (8" x 48") . 80x80 (32" x 32") . 10x30 (4" x 11 3/4")	
	STATUARIO LUX	<b>RIBBED RECTIFIED</b> 20x120 (8" x 64") . 10x30 (4" x 11 3/4") <b>BRUSHED RECTIFIED</b> 60x120 (23 3/4" x 48") . 20x120 (8" x 48") . 10x30 (4" x 11 3/4") <b>WAVE RECTIFIED</b> 60x120 (23 3/4" x 48")	MATTE	9,5 MM
	OROBICO GREY		<b>RIBBED RECTIFIED</b> 20x120 (8" x 64") . 10x30 (4" x 11 3/4") <b>BRUSHED RECTIFIED</b> 60x120 (23 3/4" x 48") . 20x120 (8" x 48") . 10x30 (4" x 11 3/4") <b>WAVE RECTIFIED</b> 60x120 (23 3/4" x 48")	RIBBED
			BRUSHED	
			WAVE	

### 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/cm<sup>2</sup> 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 Marble 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 .....



# MARBLE 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 Thickness Linearity Wedging Warpage Appearance: percentage of acceptable tiles, per lot	±0.9	±0.6 ±2.0
			±0.5	±5.0 ±0.5
			±0.75	±0.5 ±1.5
			±0.75	±0.5 ±2.0
			±0.75	±0.5 ±2.0
			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 <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 mm <sup>3</sup> max.		Average < 150 mm <sup>3</sup>
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

# MARBLE EXPERIENCE



FLOOR



WALL



RESIDENTIAL INDOOR















PUBLIC INDOOR

## TECHNICAL TABLE PORCELAIN STONEWARE

### CONFORMING TO STANDARDS

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

PHYSICAL PROPERTIES	TESTING METHOD	REFERENCE STANDARD	PRODUCT VALUES	
			N ≥ 15 cm	
			(%)	(mm)
 Sizes	EN ISO 10545-2	Length and width	±0.6	±2.0
		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	
			<b>Rectified</b>	Conforming
 Water absorption %	EN ISO 10545-3	Eb ≤ 0,5%		Conforming
 Modulus of rupture	EN ISO 10545-4	Min 35 N/mm <sup>2</sup>		Conforming
 Breakage resistance		sp. > = 7,5 mm: min 1300 N 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