

LUX EXPERIENCE

SPECIFICATION PORCELAIN STONEWARE

MATERIAL

Porcelain stoneware.

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

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

Lux Experience is the innovative project of marble-effect surfaces telling the memory of seven magnificent stone essences. Italgraniti's research thus combines its industrial culture with pure natural beauty. The collection includes 7 different colors, 3 warm and 4 cold; 2 and 2 different surface finishes: Lappato e Fade; and 2 different thicknesses: 9 mm and 6mm. The collection is finally enriched by a multiplicity of sizes: the large slabs 6mm thick perfect for high-traffic projects but also suitable for residential environments.

COLOR		SIZES		SURFACE	THICKNESS
	STATUARIETTO	V2	POLISHED RECTIFIED (MEGA) 160x320 (62 ^{7/8} "x125 ^{3/4} ") . 120x260 (48"x102 ^{1/3} ") (except GRIGIO VERSILIA)	POLISHED (MEGA)	6MM (MEGA)
	PIETRA GREY	V2			
	HELSINKI WHITE	V2	MATTE RECTIFIED (MEGA) 160x320 (62 ^{7/8} "x125 ^{3/4} ") . 120x260 (48"x102 ^{1/3} ") (Only STATUARIETTO, PIETRA GREY, CALACATTA MONT BLANC)	MATTE (MEGA)	9 MM
	TAJ MAHAL	V2			
	CALACATTA MONT BLANC	V2	POLISHED RECTIFIED 120x120* (48"x48") . 80x160 (32"x64") . 60x120 (23 ^{5/8} "x48") . 80x80 (32"x32") . 60x60 (23 ^{5/8} "x23 ^{5/8} ") . 30x60 (11 ^{7/8} "x23 ^{5/8} ") . 10x30 (4"x11 ^{7/8} ") (*only: STATUARIETTO, CALACATTA MONT BLANC, PIETRA GREY, TAJ MAHAL)	POLISHED	9 MM
	PANDA WHITE	V3			
	GRIGIO VERSILIA	V2	FADE RECTIFIED 80x160* (32"x64") . 60x120 (23 ^{5/8} "x48") . 80x80** (32"x32") . 60x60 (23 ^{5/8} "x23 ^{5/8} ") . 30x60 (11 ^{7/8} "x23 ^{5/8} ") (*only STATUARIETTO, CALACATTA MONT BLANC, PIETRA GREY, TAJ MAHAL) (**only STATUARIETTO, CALACATTA MONT BLANC, PIETRA GREY, TAJ MAHAL)	FADE	

PROCESS certified according to the ISO 9001 quality standard

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 Lux 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



LUX 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 Ev ≤ 0,5%

PHYSICAL PROPERTIES	TESTING METHOD	REFERENCE STANDARD	PRODUCT VALUES
Sizes	EN ISO 10545-2		7cm ≤ N < 15 cm (mm) N ≥ 15 cm (%) (mm) Rectified
		Length and width	±0.9 ±0.6 ±2.0 ±0.2 %
		Thickness	±0.5 ±5.0 ±0.5 ±5 %
		Linearity	±0.75 ±0.5 ±1.5 ±0.2 %
		Wedging	±0.75 ±0.5 ±2.0 ±0.2 %
		Warpage	±0.75 ±0.5 ±2.0 ±0.2 %
	Appearance: percentage of acceptable tiles, per lot	95 % min. 95 % min. -	
Water absorption %	EN ISO 10545-3	Ev ≤ 0,5%	< 0,1%
Modulus of rupture		Valore medio 35 N/mm ² min.	45 N/mm ²
Breakage resistance	EN ISO 10545-4	sp. > = 7,5 mm: min 1300 N sp. < 7,5 mm: min 700 N	2500 N (9 mm)
Scratch resistance	EN ISO 10545-6	175 mm ³ max.	Average < 150 mm ³
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
Friction coefficient (slipperiness)	DIN 51130		Declared value
	DIN 51097	If needed	Declared value
	B.C.R.A. - D.M.236/ 89		> 0,40 Dry / > 0,40 Wet
	ANSI A326.3		≥ 0,42 Wet



Assessed by Ongreening
 This product contributes to major green rating systems.
 For more info visit Ongreening.com



LUX EXPERIENCE



FLOOR



WALL



RESIDENTIAL INDOOR



PUBLIC INDOOR

TECHNICAL TABLE PORCELAIN STONEWARE

CONFORMING TO STANDARDS

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

PHYSICAL PROPERTIES	TESTING METHOD	REFERENCE STANDARD	N ≥ 15 cm		PRODUCT VALUES	
			(%)	(mm)		
<p>Sizes</p>	EN ISO 10545-2		Length and width	±0.6	±2.0	±0.2 %
			Thickness	±5.0	±0.5	±0.5 %
			Linearity	±0.5	±1.5	±0.2 %
			Wedging	±0.5	±2.0	±0.2 %
			Warpage	±0.5	±2.0	±0.2 %
			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		
<p>Water absorption %</p>	EN ISO 10545-3	Ev ≤ 0,5%			Conforming	
<p>Modulus of rupture</p>	EN ISO 10545-4	Min 35 N/mm ²			Conforming	
<p>Breakage resistance</p>		sp. > = 7,5 mm: min 1300 N sp. < 7,5 mm: min 700 N			Conforming	
<p>Abrasion resistance</p>	EN ISO 10545-7	Required			See single tile picture	
<p>Thermal expansion coefficient</p>	EN ISO 10545-8	* Testing method available			6,8 MK ⁻¹	
<p>Thermal shock resistance</p>	EN ISO 10545-9	* Testing method available			* Resistant	
<p>Glaze crazing resistance</p>	EN ISO 10545-11	Required			* Resistant	
<p>Frost resistance</p>	EN ISO 10545-12	Required			* Resistant	
Resistance to low concentrations of acids and alkali		See manufacturer's declaration			* Resistant	
<p>Resistance to high concentrations of acids and alkali</p>	EN ISO 10545-13	Testing method available			* Resistant	
Resistance to domestic chemicals and additives for swimming pools		GB min.			Conforming	
<p>Stain resistance of unglazed matte porcelain</p>	EN ISO 10545-14	Declared value			* Resistant	
<p>Friction coefficient (slipperiness)</p>	B.C.R.A. - D.M.236/ 89	If needed			See single tile picture	