

Charm Experience








SPECIFICATION

Material

Porcelain stoneware. Classified in GROUP BIa UGL con $E_v \leq 0,5\%$ and GROUP BIa GL con $E_v \leq 0,5\%$. Complies with all the requirements of UNI EN 14411 ISO 13006 APP. G standards.



Download
Catalog

	COLOR		SIZES & SURFACES	THICKNESS
	Calacatta Pink	V2		
	Calacatta Green	V2	Mega Polished Rectified (6 mm) 160x320 (62 ^{7/8} "x125 ^{3/4} ") . 120x280 (47 ^{1/4} "x110 ^{1/4} ")	
	Calacatta Black	V2	Polished Rectified (9 mm) 120x120 (47 ^{1/4} "x 47 ^{1/4} ") . 60x120 (23 ^{1/2} "x47 ^{1/4} ") . 80x80 (31 ^{1/2} "x31 ^{1/2} ")	6 mm
	Invisible Grey	V2	REAL UP Matte Rectified (9 mm) 120x120 (47 ^{1/4} "x 47 ^{1/4} ") . 60x120 (23 ^{1/2} "x47 ^{1/4} ")	9 mm
	Blu Saint Laurent	V2	Matte Rectified (9 mm) 120x120 (47 ^{1/4} "x 47 ^{1/4} ") . 60x120 (23 ^{1/2} "x47 ^{1/4} ")	20 mm
	Amazonite	V2	Open Antislip Rectified (20 mm) 60x120 (23 ^{1/2} "x47 ^{1/4} ") . 80x80 (31 ^{1/2} "x31 ^{1/2} ")	
	Ceppo Artistico	V2		

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 Charm 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 _____



放射性水平A类



EN 14411



Charm Experience

SPECIFICATION



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 B1a 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	EN ISO 10545-4	Valore medio 35 N/mm ² min.	45 N/mm ²		
 Breakage resistance		sp. > = 7,5 mm: min 1300 N sp. < 7,5 mm: min 700 N	2300 N (9 mm) 12500 N (20 mm)		
 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	EN ISO 10545-13	Declared value	* Resistant		
 Resistance to high concentrations of acids and alkali		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)	EN 16165	Annex A	Declared value		
		Annex B	Declared value		
	B.C.R.A. - D.M.236/ 89	If needed	> 0,40 Dry / > 0,40 Wet		
	ANSI A326.3	If needed	≥ 0,42 Wet		



Products of ITALGRANITI contribute to major green building rating systems and GPP criteria (Criteri Ambientali Minimi).



*Product compliance mapping by Ongreening

For more info visit Ongreening.com

Technical details available on:
www.italgranitigroup.com

Charm Experience

SPECIFICATION



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)		
Sizes	EN ISO 10545-2				Rettificato	
			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	
Water absorption %	EN ISO 10545-3	Ev ≤ 0,5%			Conforming	
Modulus of rupture	EN ISO 10545-4	Min 35 N/mm ²			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 ⁻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	