

# Marmi di Impronta

## SPECIFICATION

### 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.



Download  
Catalog

COLORS			SIZES	THICKNESS
	Bianco Lasa	V2	SUPREME LAPPATO RETTIFICATO (6 mm) 160x320   120x280  LAPPATO RETTIFICATO (9 mm) 120x120   80x80   120x60   60x60  NATURALE RETTIFICATO (9 mm) 120x60   60x60   30x60	6 mm
	Statuario Bianco	V2		
	Calacatta Oro	V3		
	Calacatta Cervaiole	V3		9 mm
	Corchia Nero	V3		
	Nero Marquinia	V2		
	Amazzonite Verde	V2		

### PROCESS DESCRIPTION certified according to the ISO 9001 quality standard

**UGL:** Product obtained from raw materials of high quality and purity such as clear clays, felspathic fluxes, kaolins, sands and colored ceramic pigments. The pressing is carried out with hydraulic presses that allow a pressure of over 500kg / cm<sup>2</sup> on the product, guaranteeing dimensional precision, flatness and high mechanical resistance. The aesthetics of the product is made with the innovative Digital Technology. The cooking takes place in single-layer roller kilns at a temperature close to 1220 ° C.

**GL:** Slabs obtained by pressing an atomized support of noble clays, the surface is enamelled with grits and glass enamels, the colors are obtained thanks to the use of high purity coloring oxides. The decoration is made with the innovative Digital Technology that offers unparalleled aesthetic quality allowing you to recreate countless veins with high definition and precision in detail. The cooking takes place in single-layer roller kilns at a temperature close to 1200 ° C. Following firing, the lapping treatment makes the surface shiny and silky to the touch, typical characteristics of natural stones.

### GREEN BUILDING: CERTIFIED ENVIRONMENTAL SUSTAINABILITY

The tiles in the Marmi di Impronta 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

Colors  Type



放射能水平A类



EN 14411



# Marmi di Impronta



FLOORS



WALLS



FACING SYSTEMS



RESIDENTIAL INDOOR



RESIDENTIAL OUTDOOR



PUBLIC INDOOR













PUBLIC OUTDOOR



HEAVY TRAFFIC

## TECHNICAL TABLE PORCELAIN STONEWARE

Conforming to standards **EN 14411 ISO 13006 APPENDIX G GROUP B** **la 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	Average Value 35 N/mm <sup>2</sup> min.			45 N/mm <sup>2</sup>
	Breakage resistance		sp. > = 7,5 mm: min 1300 N sp. < 7,5 mm: min 700 N			2300 N (9 mm)
	Scratch resistance	EN ISO 10545-6	175 mm <sup>3</sup> max.			Medio < 150 mm <sup>3</sup>
	Thermal expansion coefficient	EN ISO 10545-8	Declared Value			6,8 MK-1
	Thermal shock resistance	EN ISO 10545-9	Test passed according to ISO 10545-1			* Resistant
	Frost resistance	EN ISO 10545-12	Test passed according to ISO 10545-1			* Resistant
	Resistance to low concentration of acids and alkali		Declared Value			* Resistant
	Resistance to high concentration 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	Annex A			Declared Value
		DIN 51097	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



Assessed by Ongreening  
This product contributes to major green rating systems.  
For more info visit [Ongreening.com](https://ongreening.com)



# Marmi di Impronta



PAVIMENTO



RIVESTIMENTO














INTERNO RESIDENZIALE



INTERNO PUBBLICO

## TECHNICAL TABLE PORCELAIN STONEWARE

Conforming to standards **EN 14411 ISO 13006 APPENDIX G GROUP BIa GL con Ev ≤ 0,5%**

PHYSICAL PROPERTIES		TESTING METHOD	REFERENCE STANDARD		PRODUCT VALUES
	Sizes	EN ISO 10545-2	N ≥ 15 cm (%) (mm)		Rectified
			Length and width	±0.6 ±2.0	±0.2 %
			Thickness	±5.0 ±0.5	±05 %
			Linearity	±0.5 ±1.5	±0.2 %
			Wedging	±0.5 ±2.0	±0.2 %
			Warpage	±0.5 ±2.0	±0.2 %
			Curvature of the center	±0.5 ±2.0	
			Curvature of the corner	±0.5 ±2.0	
			Buckling	±0.5 ±2.0	
			Appearance: percentage of acceptable tiles, per lot		95% of the tiles free from visible defects
	Water absorption %	EN ISO 10545-3	Ev ≤ 0,5%		Accordant
	Modulus of rupture	EN ISO 10545-4	Min 35 N/mm2		Accordant
	Breakage resistance		sp. > = 7,5 mm: min 1300 N sp. < 7,5 mm: min 700 N		Accordant
	Scratch resistance	EN ISO 10545-6	Requested		See the single tile
	Thermal expansion coefficient	EN ISO 10545-8	* Test method available		6,8 MK-1
	Thermal shock resistance	EN ISO 10545-9	* Test method available		* Resistant
	Determination of resistance to crazing		Requested		* Resistant
	Frost resistance	EN ISO 10545-12	Requested		* Resistant
	Resistance to low concentration of acids and alkali		As declared by the producer		* Resistant
	Resistance to high concentration of acids and alkali	EN ISO 10545-13	Test method available		* Resistant
	Resistance to domestic chemicals and additives for swimming pools		GB min.		Accordant
	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		Valore disponibile a richiesta