

Marmi di Impronta

SPECIFICATION

MATERIAL








Porcelain stoneware.

Classified in GROUP BIa UGL CON Ev ≤ 0,5% and GROUP BIa GL CON Ev ≤ 0,5%.

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



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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 Lux V2		
	Calacatta Oro V3		
	Calacatta Cervaiolo V3		9 mm
	Calacatta Macchia Vecchia V3		
	Nero Marquina 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, felspatic fluxes, kaolins, sands and colored ceramic pigments. The pressing is carried out with hydraulic presses that allow a pressure of over 500kg / cm² 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



放射性水平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 BIa UGL con Ev ≤ 0,5%**

PHYSICAL PROPERTIES	TESTING METHOD	REFERENCE STANDARD	PRODUCT VALUES																									
 Sizes	EN ISO 10545-2																											
			<table border="1"> <thead> <tr> <th></th> <th>7cm ≤ N < 15 cm (mm)</th> <th colspan="2">N ≥ 15 cm (%) (mm)</th> </tr> </thead> <tbody> <tr> <td>Length and width</td> <td>±0.9</td> <td>±0.6</td> <td>±2.0</td> </tr> <tr> <td>Thickness</td> <td>±0.5</td> <td>±5.0</td> <td>±0.5</td> </tr> <tr> <td>Linearity</td> <td>±0.75</td> <td>±0.5</td> <td>±1.5</td> </tr> <tr> <td>Wedging</td> <td>±0.75</td> <td>±0.5</td> <td>±2.0</td> </tr> <tr> <td>Warpage</td> <td>±0.75</td> <td>±0.5</td> <td>±2.0</td> </tr> </tbody> </table>		7cm ≤ N < 15 cm (mm)	N ≥ 15 cm (%) (mm)		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	Rectified
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		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.	-																									
 Water absorption %	EN ISO 10545-3	Ev ≤ 0,5%	< 0,1 %																									
 Modulus of rupture  Breakage resistance	EN ISO 10545-4	Average Value 35 N/mm ² min. sp. > = 7,5 mm: min 1300 N sp. < 7,5 mm: min 700 N	45 N/mm ² 2500 N (9 mm)																									
 Scratch resistance	EN ISO 10545-6	175 mm ³ max.	Medio < 150 mm ³																									
 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	* Resistente																									
 Frost resistance	EN ISO 10545-12	Test passed according to ISO 10545-1	* Resistente																									
Resistance to low concentration of acids and alkali		Declared Value	* Resistente																									
 Resistance to high concentration of acids and alkali	EN ISO 10545-13	Declared Value	* Resistente																									
Resistance to domestic chemicals and additives for swimming pools		UB min.	UA																									
 Stain resistance of unglazed matte porcelain	EN ISO 10545-14	Declared Value	* Resistente																									
 Friction coefficient (slipperiness)	DIN 51130		Valore dichiarato																									
	DIN 51097		Valore dichiarato																									
	B.C.R.A. - D.M.236/ 89	If needed	> 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





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	±0.6 %
		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/mm ²	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		