



MARMI IMPERIALI

SPECIFICATION PORCELAIN STONEWARE

MATERIAL

Porcelain stoneware.

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

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

The collection has been conceived from the study of 4 families of marbles, each marble reproduces different types of the same natural materials.

COLOR			SIZES	SURFACE	THICKNESS
	ELEGANCE STRIATO	V3	POLISHED RECTIFIED 45x90 (17 ^{3/4} "x36") . 60x60 (23 ^{5/8} "x23 ^{5/8} ")	POLISHED	9 MM
	ZEBRINO GOLD	V3			
	EMPERADOR TUANA	V3			
	DAINO REALE	V3			

PROCESS certified according to the ISO 9001 quality standard

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.

Size

Finishes

Color Type





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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		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%	
Modulus of rupture		Min 35 N/mm ²			Conforming	
Breakage resistance	EN ISO 10545-4	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	