



ITALGRANITI

STONE D

SPECIFICATION

PORCELAIN STONEWARE

MATERIAL

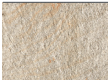
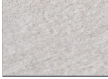
Porcelain stoneware.

Classified in GROUP BIa UGL CON $E_b \leq 0,5\%$.

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

A stone project that recreates the infinite shades and variability of the natural material.

The 5 colours in the range run from multicolour interpretations with a high degree of variation in colour and pattern to more restrained, uniform materials.

COLOR			SIZES	SURFACE	THICKNESS
	QUARZITE DORADA	V3	MATTE RECTIFIED 45x90 (17 ³ / ₄ "x36") . 15x90 (6"x36") . 60x60 (23 ⁵ / ₈ "x23 ⁵ / ₈ ") . 30x60 (11 ⁷ / ₈ "x23 ⁵ / ₈ ") . 20x60 (8"x23 ⁵ / ₈ ") . 10x60 (4"x23 ⁵ / ₈ ") MATTE NOT RECTIFIED 30x60 (11 ⁷ / ₈ "x23 ⁵ / ₈ ") . 30x30 (11 ⁷ / ₈ "x11 ⁷ / ₈ ") . 15x15 (6"x6") ANTISLIP NOT RECTIFIED 30x60 (11 ⁷ / ₈ "x23 ⁵ / ₈ ") ANTISLIP RECTIFIED (20 MM) 60x60 (23 ⁵ / ₈ "x23 ⁵ / ₈ ") (only QUARZITE DORADA, QUARZITE DI BARGE, QUARZITE GRAFITE)	MATTE ANTISLIP ANTISLIP (20 MM)	9,5 MM 20 MM
	QUARZITE DI BARGE	V3			
	QUARZITE GRAFITE	V2			
	QUARZITE MULTICOLOR	V4			
	QUARZITE BIANCA	V2			

PROCESS

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.

GREEN BUILDING: CERTIFIED ENVIRONMENTAL SUSTAINABILITY

The tiles in the Stone D 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





ITALGRANITI

STONE D



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 Eb ≤ 0,5%

Physical Properties		Testing Method	Reference Standard			Product Values		
	Sizes	EN ISO 10545-2	7cm ≤ N < 15 cm		N ≥ 15 cm	Rectified	Conforming	
			(mm)		(%) (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
Appearance: percentage of acceptable tiles, per lot		95 % min.	95 % min.	-				
	Water absorption %	EN ISO 10545-3	Eb ≤ 0,5%			Conforming		
	Modulus of rupture	EN ISO 10545-4	Valore medio 35 N/mm² min.			Conforming		
	Breakage resistance		sp. > = 7,5 mm: min 1300 N sp. < 7,5 mm: min 700 N			Conforming		
	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		
	Brilliance					More or equal to that of marble and granite		
	Color resistance to light	DIN 51094	No noticeable color change.			No alteration after testing		
	Friction coefficient (slipperiness)	DIN 51130				Declared value		
		DIN 51097				Declared value		
		B.C.R.A. - D.M.236/ 89	If needed	> 0,40 Dry / > 0,40 Wet				
		ASTM C1028-2007	> 0,60 Dry / ≥ 0,60 Wet					
		ANSI A 137.1-2012	≥ 0,42 Wet					