

Origins



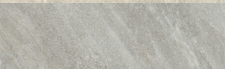


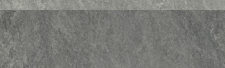
SPECIFICATION

Material

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



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Catalog

	COLOR		SIZES & SURFACES	THICKNESS
	White	V2	Mega Matte Rectified (6 mm) 120x280 (47 ^{1/4} "x110 ^{1/4} ")	
	Beige	V2	REAL UP Matte Rectified (9 mm) 80x160 (31 ^{1/2} "x63") . 120x120 (47 ^{1/4} "x47 ^{1/4} ") . 60x120 (23 ^{1/2} "x47 ^{1/4} ") . 80x80 (31 ^{1/2} "x31 ^{1/2} ") . 40x80 (15 ^{3/4} "x31 ^{1/2} ") . 60x60 (23 ^{1/2} "x23 ^{1/2} ") . 30x60 (11 ^{7/8} "x23 ^{1/2} ")	6 mm
	Greige	V2	Line Rectified (9 mm) 60x120 (23 ^{1/2} "x47 ^{1/4} ")	9 mm
	Taupe	V2	Antislip Rectified (9 mm) 60x120 (23 ^{1/2} "x47 ^{1/4} ")	20 mm
	Silver	V2	Antislip Not Rectified (9 mm) 30x60 (11 ^{7/8} "x23 ^{1/2} ")	
	Dark	V2	Open Antislip Rectified (20 mm) 60x120 (23 ^{1/2} "x47 ^{1/4} ") . 80x80 (31 ^{1/2} "x31 ^{1/2} ")	

Process certified according to the ISO 9001 quality standard

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 Origins 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 _____



放射能水平A类



EN 14411



Origins

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).



For more info visit Ongreening.com

*Product compliance mapping by Ongreening.

Technical details available on:
www.italgranitigroup.com