

# Square

## 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
	Downtown	V2	Matte Rectified (9 mm) 80x80 (31 1/2"x31 1/2") . 60x60 (23 1/2"x23 1/2") . 30x60 (11 7/8"x23 1/2")	9 mm
	Avenue	V2		
	Street	V2		
	Greige	V2		
	Ash	V2		
	Dark	V2		

### 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/cm<sup>2</sup> 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 Square 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 \_\_\_\_\_



# Square

## 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		<div> <div>7 cm ≤ N &lt; 15 cm (mm)</div> <div>N ≥ 15 cm (%) (mm)</div> </div> <b>Rectified</b>
		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/mm² min.	45 N/mm²
 Breakage resistance		sp. > = 7,5 mm: min 1300 N sp. < 7,5 mm: min 700 N	2500 N (9 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 <sup>-1</sup>
 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)	DIN 51130	If needed	Declared value
	DIN 51097		Declared value
	B.C.R.A. - D.M.236/ 89		> 0,40 Dry / > 0,40 Wet
	ANSI A326.3		≥ 0,42 Wet



  
 Assessed by Ongreening, this product can potentially contribute to major green rating systems.  
 For more info visit [Ongreening.com](https://www.ongreening.com)



Technical details available on:  
[www.italgranitigroup.com](https://www.italgranitigroup.com)