

# SQUARE

## SPECIFICATION



### PORCELAIN STONEWARE

#### 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.

COLOR		SIZES		SURFACE	THICKNESS
	DOWNTOWN	V2	<b>MATTE RECTIFIED</b> 80x80 (32"x32") . 60x120 (23 5/8"x48") . 60x60 (23 5/8"x23 5/8") . 30x60 (11 7/8"x23 5/8")	<b>MATTE</b>	<b>9 MM</b>
	AVENUE	V2			
	STREET	V2			
	WAY	V2			
	DISTRICT	V2			
	CROSSING	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



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 Ev ≤ 0,5%

PHYSICAL PROPERTIES	TESTING METHOD	REFERENCE STANDARD	PRODUCT VALUES			
			7cm ≤ N < 15 cm (mm)	N ≥ 15 cm (%) (mm)		
 Sizes	EN ISO 10545-2		Length and width	±0.9	±0.6 ±2.0	Rectified ±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 <sup>2</sup> min.			45 N/mm <sup>2</sup>	
 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		Declared value			* Resistant	
 Resistance to high concentrations of acids and alkali	EN ISO 10545-13	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)

