

SPATULA

SPECIFICATION

PORCELAIN STONEWARE


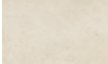
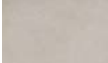
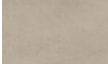



MATERIAL

Porcelain stoneware.

Classified in GROUP BIa UGL CON Ev ≤ 0,5%.

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

Spatula, project that takes inspiration from the resine, is a concrete effect collection characterized by a spatula movement effect and slight ripples in the structure. The color range, complete and sophisticated, includes 7 colors (3 cold and 4 warm), where the most characteristic one is "Perla", that is the typical color of the resines.

COLOR		SIZES	SURFACE	THICKNESS
	BIANCO	V2	MATTE	9 MM
	AVORIO	V2		
	PERLA	V2		
	LINO	V2		
	POLVERE	V2		
	TABACCO	V2		
	NERO	V2		
		MATTE RECTIFIED 80x80 (32"x32") . 60x120 (23 ^{5/8} "x48") . 20x120 (8"x48") . 60x60 (23 ^{5/8} "x23 ^{5/8} ") . 30x60 (11 ^{7/8} "x23 ^{5/8} ")		

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 Spatula 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.

SPATULA



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
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		Valore medio 35 N/mm ² min.	45 N/mm ²
Breakage resistance	EN ISO 10545-4	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 mm ³ max.	Average < 150 mm ³
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		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		Declared value
	DIN 51097	If needed	Declared value
	B.C.R.A. - D.M.236/ 89		> 0,40 Dry / > 0,40 Wet
	ANSI A326.3		≥ 0,42 Wet