



## UP\_STONE

### 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.

Up\_Stone is a project inspired by the historic Italian stone "Beola". The collection includes 5 different colors, 2 warm and 3 cold (Up\_White, Up\_Beige, Up\_Cloud, Up\_Lead and Up\_Black) and 2 different surface finishes, Natural and Antislip (R 11 A+B+C) in the special 20 mm thickness (in the Up\_Beige, Up\_Cloud and Up\_Black colors).

The collection is also enriched by a multiplicity of sizes both large (80x160, 20x160 and 60x120) perfect for large projects, both in standard and small sizes (60x60, 30x60, 20x60, 10x60) suitable also for residential environments.

COLOR			SIZES	SURFACE	THICKNESS	
	UP_WHITE	V2	<b>MATTE RECTIFIED</b> 80x160 (32"x64") . 20x160 (8"x64") . 60x120 (23 <sup>5/8</sup> "x48") . 20x120 (8"x48") . 60x60 (23 <sup>5/8</sup> "x23 <sup>5/8</sup> ") . 30x60 (11 <sup>7/8</sup> "x23 <sup>5/8</sup> ") . 45x90 (17 <sup>3/4</sup> "x36") . 22,5x90 (9"x36") . 20x60 (8"x23 <sup>5/8</sup> ") . 10x60 (4"x23 <sup>5/8</sup> ")	<b>MATTE</b>	9,5 MM	
	UP_BEIGE	V2				
	UP_CLOUD	V2		<b>ANTISLIP NOT RECTIFIED</b> 30x60 (11 <sup>7/8</sup> "x23 <sup>5/8</sup> ")	<b>ANTISLIP (20 MM)</b>	20 MM
	UP_LEAD	V2		<b>ANTISLIP RECTIFIED (20 MM)</b> 40x120 (16"x48") (only UP_BEIGE, UP_CLOUD, UP_BLACK)		
	UP_BLACK	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/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 Up\_Stone 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 .....





## UP\_STONE



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			
			7cm ≤ N < 15 cm (mm)	N ≥ 15 cm (%)	(mm)	
Sizes	EN ISO 10545-2		Length and width	±0.9	±0.6 ±2.0	<b>Rectified</b>
			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.	-	Conforming
Water absorption %	EN ISO 10545-3	Eb ≤ 0,5%				Conforming
Modulus of rupture		Valore medio 35 N/mm <sup>2</sup> min.				Conforming
Breakage resistance	EN ISO 10545-4	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 <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
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