



UP_STONE

SPECIFICATION PORCELAIN STONEWARE

MATERIAL

Porcelain stoneware.

Classified in GROUP Bla 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	MATTE RECTIFIED 80x160 (32"x64") . 20x160 (8"x64") . 60x120 (23 ^{5/8} "x48") . 20x120 (8"x48") . 60x60 (23 ^{5/8} "x23 ^{5/8} ") . 30x60 (11 ^{7/8} "x23 ^{5/8} ") . 45x90 (17 ^{3/4} "x36") . 22,5x90 (9"x36") . 20x60 (8"x23 ^{5/8} ") . 10x60 (4"x23 ^{5/8} ")	MATTE	9,5 MM	
	UP_BEIGE	V2				
	UP_CLOUD	V2		ANTISLIP NOT RECTIFIED 30x60 (11 ^{7/8} "x23 ^{5/8} ")	ANTISLIP	20 MM
	UP_LEAD	V2		ANTISLIP RECTIFIED (20 MM) 40x120 (16"x48") (only UP_BEIGE, UP_CLOUD, UP_BLACK)	ANTISLIP (20 MM)	
	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/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 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	Rectified
			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 ² 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 ⁻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	
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	