

NUANCES

SPECIFICATION


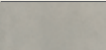
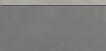
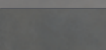
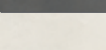
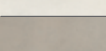
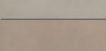
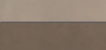
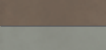
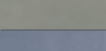
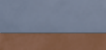
PORCELAIN STONEWARE

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.

COLORI			FORMATI	SUPERFICIE	SPESSORE
	BIANCO	V2	<p>NATURALE RETTIFICATO (MEGA) 120x260 (47^{1/4}"x102^{1/3}")</p> <p>StrideUp (NATURALE RETTIFICATO) 120x120* (47^{1/4}"x47^{1/4}") . 80x80 (32"x32") . 40x80 (15^{3/4}"x32") . 60x120* (23^{5/8}"x47^{1/4}") . 60x60* (23^{5/8}"x23^{5/8}") . 30x60* (11^{7/8}"x23^{5/8}") (*solo: Bianco, Grigio, Antracite, Nero, Avorio, Tortora, Cipria, Marrone)</p> <p>ANTISLIP RETTIFICATO 60x120 (23^{5/8}"x47^{1/4}") (*solo: Bianco, Grigio, Antracite, Nero, Avorio, Tortora, Cipria, Marrone)</p> <p>OUTFLOOR20 ANTISLIP RETTIFICATO 80x80 (32"x32") . 60x120 (23^{5/8}"x47^{1/4}") (*solo: Grigio, Antracite, Tortora, Cipria)</p>	<p>NATURALE (MEGA)</p> <p>StrideUp R10 A+B</p> <p>ANTISLIP R11 A+B+C</p> <p>OUTFLOOR20 R11 A+B+C</p>	<p>6MM (MEGA)</p> <p>9 MM</p> <p>20 MM</p>
	GRIGIO	V2			
	ANTRACITE	V2			
	NERO	V2			
	AVORIO	V2			
	TORTORA	V2			
	CIPRIA	V2			
	MARRONE	V2			
	SALVIA	V2			
	CIELO	V2			
	FIAMMA	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/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 Nuances 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.

NUANCES



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		<table border="1"> <thead> <tr> <th></th> <th>7cm ≤ N < 15 cm (mm)</th> <th>N ≥ 15 cm (%) (mm)</th> <th>Rectified</th> </tr> </thead> <tbody> <tr> <td>Length and width</td> <td>±0.9</td> <td>±0.6 ±2.0</td> <td>±0.2 %</td> </tr> <tr> <td>Thickness</td> <td>±0.5</td> <td>±5.0 ±0.5</td> <td>±5 %</td> </tr> <tr> <td>Linearity</td> <td>±0.75</td> <td>±0.5 ±1.5</td> <td>±0.2 %</td> </tr> <tr> <td>Wedging</td> <td>±0.75</td> <td>±0.5 ±2.0</td> <td>±0.2 %</td> </tr> <tr> <td>Warpage</td> <td>±0.75</td> <td>±0.5 ±2.0</td> <td>±0.2 %</td> </tr> </tbody> </table>		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 %
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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 ² min.	45 N/mm ²																								
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 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		Declared value																								
	B.C.R.A. - D.M.236/ 89	If needed	> 0,40 Dry / > 0,40 Wet																								
	ANSI A326.3		≥ 0,42 Wet																								