

Ardesia

SPECIFICATION



MATERIAL

Porcelain stoneware - Classified in GrOUP BIa UGL con $ev \leq 0,5\%$.

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



Download
Catalog

COLORS		SIZES		THICKNESS
	Bianco	V3	<u>SUPREME MATTE RECTIFIED (6 mm)</u> 120x280 (47 ^{1/4} "x110 ^{1/4} "	6 mm
	Beige	V3	<u>STRIDE UP/REAL UP MATTE RECTIFIED (9 mm)</u> 120x120 (47 ^{1/4} "x47 ^{1/4} " 120x60 (47 ^{1/4} "x23 ^{1/2} " 80x160 (62 ^{7/8} "x31 ^{1/2} " 80x80 (31 ^{1/2} "x31 ^{1/2} " 60x60 (23 ^{1/2} "x23 ^{1/2} " 60x30 (23 ^{1/2} "x11 ^{7/8} "	
	Grey	V3	<u>LINEA RECTIFIED (9 mm)</u> 60x120 (47 ^{1/4} "x23 ^{1/2} "	9 mm
	Grafite	V3	<u>ANTISLIP RECTIFIED (9 mm)</u> 60x120 (47 ^{1/4} "x23 ^{1/2} "	20 mm
			<u>ANTISLIP NOT RECTIFIED (9 mm)</u> 30x60 (23 ^{1/2} "x11 ^{7/8} "	
			<u>DEHORS ANTISLIP RECTIFIED (20 mm)</u> 120x60 (47 ^{1/4} "x23 ^{1/2} " 60x60 (23 ^{1/2} "x23 ^{1/2} "	

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 Ardesia 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

Colors Type



放射能水平A类



EN 14411





Ardesia



FLOORS



WALLS



FACING SYSTEMS



RESIDENTIAL INDOOR



RESIDENTIAL OUTDOOR



PUBLIC INDOOR














PUBLIC OUTDOOR



HEAVY TRAFFIC

TECHNICAL TABLE PORCELAIN STONEWARE

Conforming to standards EN 14411 ISO 13006 APPENDIX G GROUP B1a UGL con $E_v \leq 0,5\%$

PHYSICAL PROPERTIES	TESTING METHOD	REFERENCE STANDARD	PRODUCT VALUES																												
 Sizing	EN ISO 10545-2																														
			<table border="1"> <tr> <td></td> <td>7cm ≤ N < 15 cm (mm)</td> <td>N ≥ 15 cm (%) (mm)</td> <td></td> </tr> <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>Warping</td> <td>±0.75</td> <td>±0.5 ±2.0</td> <td>±0.2 %</td> </tr> <tr> <td>Appearance: percentage of acceptable tiles, per lot</td> <td>95 % min.</td> <td>95 % min.</td> <td>-</td> </tr> </table>		7cm ≤ N < 15 cm (mm)	N ≥ 15 cm (%) (mm)		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 %	Warping	±0.75	±0.5 ±2.0	±0.2 %	Appearance: percentage of acceptable tiles, per lot	95 % min.	95 % min.	-
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 Water absorption %	EN ISO 10545-3	$E_v \leq 0,5\%$	< 0,1 %																												
 Modulus of rupture  Breakage resistance	EN ISO 10545-4	Average value 35 N/mm ² min. sp. > = 7,5 mm: min 1300 N sp. < 7,5 mm: min 700 N	45 N/mm ² 2300 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	Test passed according to ISO 10545-1	* Resistant																												
 Frost resistance	EN ISO 10545-12	Test passed according to ISO 10545-1	* Resistant																												
Resistance to low concentration of acids and alkali		Declared Value	* Resistant																												
 Resistance to high concentration 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																												



Assessed by Ongreening, this product can potentially contribute to major green rating systems.
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