

# Ardesia

## SPECIFICATION

### MATERIAL

Porcelain stoneware - Classified in GrOUP Bla UGL con ev ≤ 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 <sup>1/4</sup> "x110 <sup>1/4</sup> "	6 mm
	Beige	V3	<u>STRIDE UP/REAL UP MATTE RECTIFIED (9 mm)</u> 120x120 (47 <sup>1/4</sup> "x47 <sup>1/4</sup> "   120x60 (47 <sup>1/4</sup> "x23 <sup>1/2</sup> "   80x160 (62 <sup>7/8</sup> "x31 <sup>1/2</sup> "   80x80 (31 <sup>1/2</sup> "x31 <sup>1/2</sup> "   60x60 (23 <sup>1/2</sup> "x23 <sup>1/2</sup> "   60x30 (23 <sup>1/2</sup> "x11 <sup>7/8</sup> "	
	Grey	V3	<u>LINEA RECTIFIED (9 mm)</u> 60x120 (47 <sup>1/4</sup> "x23 <sup>1/2</sup> "	9 mm
			<u>ANTISLIP RECTIFIED (9 mm)</u> 60x120 (47 <sup>1/4</sup> "x23 <sup>1/2</sup> "	20 mm
	Grafite	V3	<u>ANTISLIP NOT RECTIFIED (9 mm)</u> 30x60 (23 <sup>1/2</sup> "x11 <sup>7/8</sup> "	
			<u>DEHORS ANTISLIP RECTIFIED (20 mm)</u> 120x60 (47 <sup>1/4</sup> "x23 <sup>1/2</sup> "   60x60 (23 <sup>1/2</sup> "x23 <sup>1/2</sup> "	

### 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/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 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



Certificazione



Corporation



## 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"> <thead> <tr> <th></th> <th>7cm ≤ N &lt; 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>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> </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 %	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 <sup>2</sup> min. sp. > = 7,5 mm: min 1300 N sp. < 7,5 mm: min 700 N	45 N/mm <sup>2</sup> 2300 N (9 mm)																												
 Scratch resistance	EN ISO 10545-6	175 mm <sup>3</sup> max.	Average < 150 mm <sup>3</sup>																												
 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. For more info visit [Ongreening.com](http://Ongreening.com)

