

Shale

SPECIFICATION

Material

Porcelain stoneware. Classified in GROUP BIa UGL con $E_v \leq 0,5\%$.
Complies with all the requirements of UNI EN 14411 ISO 13006 APP. G standards.



Download
Catalog

	COLOR		SIZES & SURFACES	THICKNESS
	Moon	V3	<u>Mega Matte Rectified (6 mm)</u> 120x280 (47 ^{1/4} "x110 ^{1/4} ")	
	Sand	V3	<u>Matte Rectified (9 mm)</u> 80x160 (31 ^{1/2} "x63") . 120x120 (47 ^{1/4} "x47 ^{1/4} ") . 60x120 (23 ^{1/2} "x47 ^{1/4} ") . 80x80 (31 ^{1/2} "x31 ^{1/2} ") . 60x60 (23 ^{1/2} "x23 ^{1/2} ") . 30x60 (11 ^{7/8} "x23 ^{1/2} ") . 15x60 (6"x23 ^{1/2} ") . 10x30 (4"x11 ^{7/8} ")	6 mm
	Taupe	V3	<u>Ribbed Rectified (9 mm)</u> 60x120 (23 ^{1/2} "x47 ^{1/4} ") . 30x60 (11 ^{7/8} "x23 ^{1/2} ")	9 mm
	Greige	V3	<u>Antislip Rectified (9 mm)</u> 60x120 (23 ^{1/2} "x47 ^{1/4} ")	20 mm
	Ash	V3	<u>Antislip Not Rectified (9 mm)</u> 30x60 (11 ^{7/8} "x23 ^{1/2} ")	
	Dark	V3	<u>Open Antislip Rectified (20 mm)</u> 60x120 (23 ^{1/2} "x47 ^{1/4} ") . 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 Shale 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 _____

Shale

SPECIFICATION



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 B1a UGL CON Ev ≤ 0,5%

PHYSICAL PROPERTIES	TESTING METHOD	REFERENCE STANDARD	PRODUCT VALUES	
 Sizes	EN ISO 10545-2		$7\text{cm} \leq N < 15\text{ cm}$ (mm) $N \geq 15\text{ cm}$ (%) (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 %
		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	2300 N (9 mm)	
 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	
 Friction coefficient (slipperiness)	DIN 51130		Declared value	
	DIN 51097	If needed	Declared value	
	B.C.R.A. - D.M.236/ 89		> 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](https://www.ongreening.com)
