



## NORDIC STONE

### SPECIFICATION PORCELAIN STONEWARE

#### MATERIAL

Porcelain stoneware.

Classified in GROUP BIa UGL CON  $E_b \leq 0,5\%$ .

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

Nordic Stone is a stone project which takes inspiration from the Nord European Burlington stone. The color range includes 5 different colors (Islanda, Danimarca, Norvegia, Svezia e Finlandia), 3 warm colors e 2 cold colors and 3 different surface finishes: Matte, Satined Honed and Antislip (R 11 A+B+C) in the special outdoor 20mm thickness.

COLOR		SIZES	SURFACE	THICKNESS
	ISLANDA	V2	<b>MATTE</b> <b>HONED SATIN</b> <b>ANTISLIP</b> <b>ANTISLIP (20MM)</b>	<b>9,5 MM</b>  <b>20MM</b>
	DANIMARCA	V2		
	NORVEGIA	V2		
	SVEZIA	V2		
	FINLANDIA	V2		
		<b>MATTE RECTIFIED</b> 80x160 (32"x64") . 20x160 (8"x64") . 60x120 (23 <sup>5/8</sup> "x64") . 20x120 (8"x64") . 60x60 (23 <sup>5/8</sup> "x23 <sup>5/8</sup> " ) . 30x60 (11 <sup>7/8</sup> "x23 <sup>5/8</sup> " ) . 20x60 (8"x23 <sup>5/8</sup> " ) . 10x60 (4"x23 <sup>5/8</sup> " ) . 45x90 (17 <sup>3/4</sup> "x36") . 22,5x90 (9"x36")		
		<b>HONED SATIN RECTIFIED</b> 80x160 (32"x64") . 60x120 (23 <sup>5/8</sup> "x64") . 60x60 (23 <sup>5/8</sup> "x23 <sup>5/8</sup> " )		
		<b>ANTISLIP NOT RECTIFIED</b> 30x60 (11 <sup>7/8</sup> "x23 <sup>5/8</sup> " )		
		<b>ANTISLIP RECTIFIED (20 MM)</b> 60x120 (23 <sup>5/8</sup> "x23 <sup>5/8</sup> " ) (only DANIMARCA, SVEZIA)		

#### 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/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 Nordic 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 .....



## NORDIC 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	<b>Rectified</b>	
			Thickness	±0.5	±5.0 ±0.5		
			Linearity	±0.75	±0.5 ±1.5		
			Wedging	±0.75	±0.5 ±2.0		Conforming
			Warpage	±0.75	±0.5 ±2.0		
			Appearance: percentage of acceptable tiles, per lot	95 % min.	95 % min. -		
 Water absorption %	EN ISO 10545-3	Eb ≤ 0,5%	Conforming				
 Modulus of rupture	EN ISO 10545-4	Valore medio 35 N/mm <sup>2</sup> min.	Conforming				
 Breakage resistance		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 <sup>-1</sup>				
 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				