

METALINE

SPECIFICATION

PORCELAIN STONEWARE

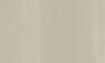
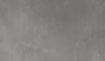

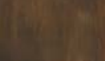

MATERIAL

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.

Metaline is a metal-concrete project which takes inspiration from metal surfaces. The color range includes 5 different colors (Plate, Zinc, Steel, Corten and Iron), 2 warm colors and 3 cold colors. The collection has 3 different surface finishes and 3 special thickness: big slabs 6mm (Matte finish), 9,5mm (Matte and Melt finish) and 20mm thick (Antislip finish R11 A+B+C). The project is also enriched both by a wide variety of big different slabs sizes (160x320, 120x260, 80x160) perfect for high traffic areas, both in standard and small sizes (60x60, 30x60, 20x60, 10x60) perfect for residential projects.

COLOR		SIZES		SURFACE	THICKNESS
	PLATE	V2	MATTE RECTIFIED (MEGA) 160x320* (62 ^{5/8} "x125 ^{3/4} ") . 120x260 (48"x102 ^{1/2} ") (*only STEEL, IRON, CORTEN) MATTE RECTIFIED 120x120 (48"x48") . 80x160 (32"x64") . 20x160 (8"x64") . 60x120 (23 ^{5/8} "x48") . 20x120 (8"x48") . 80x80 (32"x32") . 60x60 (23 ^{5/8} "x23 ^{5/8} ") . 30x60 (11 ^{7/8} "x23 ^{5/8} ") . 20x60 (8"x23 ^{5/8} ") . 10x60 (4"x23 ^{5/8} ") MELT RECTIFIED 80x160 (32"x64") . 20x160 (8"x64") . 60x120 (23 ^{5/8} "x48") . 20x120 (8"x48") ANTISLIP NOT RECTIFIED 30x60 (11 ^{7/8} "x23 ^{5/8} ") ANTISLIP RECTIFIED (20 MM) 80x80 (32"x32") . 60x60 (23 ^{5/8} "x23 ^{5/8} ") (only ZINC, PLATE, IRON, CORTEN)	MATTE (MEGA) MATTE	6MM (MEGA)
	ZINC	V2			
	STEEL	V2		ANTISLIP (20MM)	20 MM
	CORTEN	V2			
	IRON	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 Metaline 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.

METALINE



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			
			7cm ≤ N < 15 cm (mm)	N ≥ 15 cm (%) (mm)		
 Sizes	EN ISO 10545-2			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		2500 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		