ITALGRANITI

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 7/8"x125 3/4") . 120x260 (48"x102 1/3") (*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 MELT ANTISLIP ANTISLIP (20MM)	6MM (MEGA) 9 MM 20 MM
	ZINC	V2			
	STEEL	V2			
	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.

Size .....

Finishes .....

Color ..... Type .....

放射性水平 A

LEED COMPLIANT

EMAS GESTIONE AMBIENTALE VERIFICATA N. Registro IT-000058

ISO 14001 BUREAU VERITAS Certification

ISO 45001 BUREAU VERITAS Certification

ISO 9001 BUREAU VERITAS Certification

ITALGRANITI

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)	Rectified
Sizes	EN ISO 10545-2	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/mm² min.				45 N/mm²
Breakage resistence		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	EN ISO 10545-13	Declared value				* Resistant
Resistance to high concentrations of acids and alkali		Declared value				* Resistant
Resistance to domestic chemicals and additi-ves for swimming pools		UB min.				UA
Stain resistance of unglazed matte porcelain	EN ISO 10545-14	Declared value				* Resistant
Friction coefficient (slipperiness)	DIN 51130	If needed				Declared value
	DIN 51097					Declared value
	B.C.R.A. - D.M.236/ 89					> 0,40 Dry / > 0,40 Wet
	ANSI A326.3					≥ 0,42 Wet

Technical details available on:
www.italgranitigroup.com