

Metaline

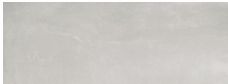
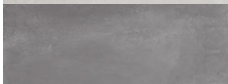
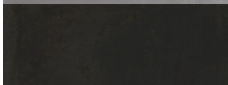
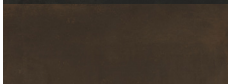
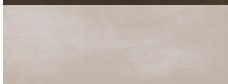
SPECIFICATION

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 |
|--|---------------|------------------|--|-----------------------|
|  | Steel | V2 | <u>Mega Matte Rectified (6 mm)</u> 160x320 (62 ^{7/8} "x125 ^{3/4} ") . 120x280 (47 ^{1/4} "x110 ^{1/4} ") | 6 mm 9 mm 20 mm |
|  | Zinc | V2 | <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} ") . 20x120 (8"x47 ^{1/4} ") . 80x80 (31 ^{1/2} "x31 ^{1/2} ") . 60x60 (23 ^{1/2} "x23 ^{1/2} ") . 30x60 (11 ^{7/8} "x23 ^{1/2} ") . 20x60 (8"x23 ^{1/2} ") . 10x60 (4"x23 ^{1/2} ") | |
|  | Iron | V2 | <u>Melt Rectified (9 mm)</u> 60x120 (23 ^{1/2} "x47 ^{1/4} ") . 20x120 (8"x47 ^{1/4} ") | |
|  | Corten | V2 | <u>Antislip Not Rectified (9 mm)</u> 30x60 (11 ^{7/8} "x23 ^{1/2} ") | |
|  | Plate | V2 | <u>Open Antislip Rectified (20 mm)</u> 80x80 (31 ^{1/2} "x31 ^{1/2} ") . 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 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 _____



放射能水平A类



EN 14411



Metaline

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 | | 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 % |
| | | 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

