

MAXIWOOD

SPECIFICATION PORCELAIN STONEWARE





MATERIAL

Porcelain stoneware.

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

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

Maxiwood is an elegantly satin-touch finish collection: the feeling of natural wood with top-class technical performance, and a huge range of sizes. 4 modern, original, mixable colours: perfect as floor and wall coverings for contemporary interiors, with an absolutely chic mood.

| COLOR | | SIZES | SURFACE | THICKNESS |
|--|-----------------------|---|-----------------------|-----------|
|  | ROVERE BIANCO | V3 | MATTE POLISHED | 9,5 MM |
|  | PALISSANDRO GRIGIO | V3 | | |
|  | NOCE ORO | V3 | | |
|  | BETULLA AVORIO | V3 | | |
| | | MATTE RECTIFIED 20x160 (8"x64") . 20x120 (8"x48") . 22,5x90 (9"x36") . 15x90 (6"x36") | | |
| | | POLISHED RECTIFIED 22,5x90 (9"x36") . 15x90 (6"x36") | | |

PROCESS

UGL: 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.

GL: Slabs obtained by pressing a pale-coloured spray-dried body mix of choice clays, glazed with satined glazes. Tiles are machined after cooking with the lapping process, that make them shiny and silky like natural stones. The colours are obtained using high-purity colorant oxides. The patterning is produced with the innovative DIGITAL TECHNOLOGY which offers an appearance of unrivalled beauty by re-creating the countless vein patterns of the different types of marble in high definition and with a precision in the details that make it difficult, if not impossible, to distinguish the material from the natural stones. The materials are fired in single-layer roller kilns at temperatures of over 1,200°C.

GREEN BUILDING: CERTIFIED ENVIRONMENTAL SUSTAINABILITY

The tiles in the Maxiwood 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



MAXIWOOD



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 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 | Rectified Conforming |
| | | | Thickness | ±0.5 | ±5.0 ±0.5 | |
| | | | Linearity | ±0.75 | ±0.5 ±1.5 | |
| | | | Wedging | ±0.75 | ±0.5 ±2.0 | |
| | | | 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 ² 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 mm ³ max. | Average < 150 mm ³ | | | |
| 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 | | | |
| 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 | | | |

MAXIWOOD



FLOOR



WALL



RESIDENTIAL INDOOR















PUBLIC INDOOR

TECHNICAL TABLE PORCELAIN STONEWARE

CONFORMING TO STANDARDS

EN 14411 ISO 13006 ANNEX G GROUP B1a GL CON Eb ≤ 0,5%

| PHYSICAL PROPERTIES | TESTING METHOD | REFERENCE STANDARD | PRODUCT VALUES | |
|--|------------------------------------|---|-------------------------|------|
| | | | N ≥ 15 cm | |
| | | | (%) | (mm) |
|  Sizes | EN ISO 10545-2 | Length and width | ±0.6 | ±2.0 |
| | | Thickness | ±5.0 | ±0.5 |
| | | Linearity | ±0.5 | ±1.5 |
| | | Wedging | ±0.5 | ±2.0 |
| | | Warpage | ±0.5 | ±2.0 |
| | | Centre curvature | ±0.5 | ±2.0 |
| | | Déformation du bord | ±0.5 | ±2.0 |
| | | Warpage | ±0.5 | ±2.0 |
| Surface quality | 95% of tiles with no visible flaws | | | |
|  Water absorption % | EN ISO 10545-3 | Eb ≤ 0,5% | Conforming | |
|  Modulus of rupture | EN ISO 10545-4 | Min 35 N/mm ² | Conforming | |
|  Breakage resistance | | sp. > = 7,5 mm: min 1300 N sp. < 7,5 mm: min 700 N | Conforming | |
|  Abrasion resistance | EN ISO 10545-7 | Required | See single tile picture | |
|  Thermal expansion coefficient | EN ISO 10545-8 | * Testing method available | 6,8 MK ⁻¹ | |
|  Thermal shock resistance | EN ISO 10545-9 | * Testing method available | * Resistant | |
|  Glaze crazing resistance | EN ISO 10545-11 | Required | * Resistant | |
|  Frost resistance | EN ISO 10545-12 | Required | * Resistant | |
| Resistance to low concentrations of acids and alkali | | See manufacturer's declaration | * Resistant | |
|  Resistance to high concentrations of acids and alkali | EN ISO 10545-13 | * Testing method available | * Resistant | |
| Resistance to domestic chemicals and additives for swimming pools | | GB min. | Conforming | |
|  Stain resistance of unglazed matte porcelain | EN ISO 10545-14 | Declared value | * Resistant | |
|  Friction coefficient (slipperiness) | B.C.R.A. - D.M.236/ 89 | If needed | See single tile picture | |