



STONE D 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.

A stone project that recreates the infinite shades and variability of the natural material.

The 5 colours in the range run from multicolour interpretations with a high degree of variation in colour and pattern to more restrained, uniform materials.

| COLOR | | SIZES | SURFACE | THICKNESS |
|-------|---------------------|--|--|---------------------------------|
| | QUARZITE DORADA | MATTE RECTIFIED 45x90 (17 ^{3/4} "x36") . 15x90 (6"x36") . 60x60 (23 ^{5/8} "x23 ^{5/8} ") . 30x60 (11 ^{7/8} "x23 ^{5/8} ") . 20x60 (8"x23 ^{5/8} ") . 10x60 (4"x23 ^{5/8} ") MATTE NOT RECTIFIED 30x60 (11 ^{7/8} "x23 ^{5/8} ") . 30x30 (11 ^{7/8} "x11 ^{7/8} ") . 15x15 (6"x6") ANTISLIP NOT RECTIFIED 30x60 (11 ^{7/8} "x23 ^{5/8} ") ANTISLIP RECTIFIED (20 MM) 60x60 (23 ^{5/8} "x23 ^{5/8} ") (only QUARZITE DORADA, QUARZITE DI BARGE, QUARZITE GRAFITE) | MATTE ANTISLIP ANTISLIP (20 MM) | 9 MM 20 MM |
| | QUARZITE DI BARGE | | | |
| | QUARZITE GRAFITE | | | |
| | QUARZITE MULTICOLOR | | | |
| | QUARZITE BIANCA | | | |

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 Stone D 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





STONE D



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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------------------|---|--|-----------------------|-------------------------|-----------------------|-----------|------------------|------|-----------|--------|-----------|------|-----------|------|-----------|-------|-----------|--------|---------|-------|-----------|--------|---------|-------|-----------|--------|---|-----------|-------------|---|
|  Sizes | EN ISO 10545-2 | | <table border="1"> <thead> <tr> <th></th> <th>7cm ≤ N < 15 cm (mm)</th> <th>N ≥ 15 cm (%) (mm)</th> <th>Rectified</th> </tr> </thead> <tbody> <tr> <td>Length and width</td> <td>±0.9</td> <td>±0.6 ±2.0</td> <td>±0.2 %</td> </tr> <tr> <td>Thickness</td> <td>±0.5</td> <td>±5.0 ±0.5</td> <td>±5 %</td> </tr> <tr> <td>Linearity</td> <td>±0.75</td> <td>±0.5 ±1.5</td> <td>±0.2 %</td> </tr> <tr> <td>Wedging</td> <td>±0.75</td> <td>±0.5 ±2.0</td> <td>±0.2 %</td> </tr> <tr> <td>Warpage</td> <td>±0.75</td> <td>±0.5 ±2.0</td> <td>±0.2 %</td> </tr> <tr> <td>Appearance: percentage of acceptable tiles, per lot</td> <td>95 % min.</td> <td>95 % min. -</td> <td>-</td> </tr> </tbody> </table> | | 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. - | - |
| | | | 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 | 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 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 | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |




 Assessed by Ongreening, this product can potentially contribute to major green rating systems.
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