



| | | | | |
|-------|---|---|--|---|
| Sizes | 60x60 cm 23 ³ / ₄ "x23 ³ / ₄ " ±10mm | 59x59 cm 23 ¹ / ₄ "x23 ¹ / ₄ " ±10mm | 45x45 cm 17 ³ / ₄ "x17 ³ / ₄ " ±9mm | 30x60 cm 11 ³ / ₄ "x23 ³ / ₄ " ±10mm |
|-------|---|---|--|---|

| | Technical features | Test method | Requisites for nominal size N | | | Supernova Marble | | | | |
|-----------------------------|--------------------|--|--|--|--------------|--------------------------|----------------------------------|-----------------------------------|--------------------------|----------------------|
| | | | 7 cm ≤ N < 15 cm | N ≥ 15 cm | | Polished not rectified | Matte not rectified 9mm 45x45 cm | Matte not rectified 10mm 60x60 cm | Textured not rectified | |
| | | | (mm) | (%) | (mm) | | | | | |
| Regularity features | | Length and width | ± 0,9 (*) | ± 0,6 (*) | ± 2,0 (*) | ±0.3% ±1.0mm | ±0.3% ±1.0mm | ±0.3% ±1.0mm | ±0.3% ±1.0mm | |
| | | Thickness | ± 0,9 (*) | ± 5 (**) | ± 0,5 (**) | ±5.0% ±0.5mm | ±5.0% ±0.5mm | ±5.0% ±0.5mm | ±5.0% ±0.5mm | |
| | | Straightness of sides | ± 0,75 (***) | ± 0,5 (***) | ± 1,5 (***) | ±0.3% ±0.8mm | ±0.3% ±0.8mm | ±0.3% ±0.8mm | ±0.3% ±0.8mm | |
| | | Perpendicularity | ± 0,75 (****) | ± 0,5 (****) | ± 2,0 (****) | ±0.3% ±1.5mm | ±0.3% ±1.5mm | ±0.3% ±1.5mm | ±0.3% ±1.5mm | |
| | | Surface flatness | c.c. ± 0,75 | c.c. ± 0,5 | c.c. ± 2,0 | ±0.3% ±1.5mm | ±0.4% ±1.8mm | ±0.4% ±1.8mm | ±0.4% ±1.8mm | |
| | | | e.c. ± 0,75 | e.c. ± 0,5 | e.c. ± 2,0 | | | | | |
| Structural features | | Water absorption | ISO 10545-3 E _B ≤ 0,5% | | | ≤ 0.1% | ≤ 0.1% | ≤ 0.1% | ≤ 0.1% | |
| | | | ASTM C373-18 Requirement ANSI A137.1-2017 Water Absorption Max < 0,5% | | | | | | | |
| Bulk mechanical features | | Breaking strenght | ISO 10545-4 S ≥ 700N (for thickness < 7,5mm) S ≥ 1300N (for thickness ≥ 7,5mm) | | | S ≥ 2000 N | S ≥ 1500 N | S ≥ 2000 N | S ≥ 1500 N | |
| | | Bending resistance | R ≥ 35 N/mm ² | | | R ≥ 45 N/mm ² | R ≥ 45 N/mm ² | R ≥ 45 N/mm ² | R ≥ 45 N/mm ² | |
| | | Bending and breaking load resistance | EN 1339 Annex F | | | - | | | | |
| | | Impact resistance | ISO 10545-5 | Declared value | | | ≥ 0.55 | ≥ 0.55 | ≥ 0.55 | ≥ 0.55 |
| Surface mechanical features | | Mohs hardness | EN 101 | | | - | | | | |
| | | Deep abrasion resistance of unglazed tiles | ISO 10545-6 | ≤ 175 mm ³ | | | ≤ 150mm ³ | ≤ 150mm ³ | ≤ 150mm ³ | ≤ 150mm ³ |
| Thermo-igrometric features | | Coefficient of linear thermal expansion | ISO 10545-8 | Declared value | | | ≤ 7MK-1 | ≤ 7MK-1 | ≤ 7MK-1 | ≤ 7MK-1 |
| | | Thermal shock resistance | ISO 10545-9 | Test passed in accordance with ISO 10545-1 | | | Resistant | Resistant | Resistant | Resistant |
| | | Moisture expansion (in mm/m) | ISO 10545-10 | Declared value | | | ≤ 0.01% (0.1 mm/m) | ≤ 0.01% (0.1 mm/m) | ≤ 0.01% (0.1 mm/m) | ≤ 0.01% (0.1 mm/m) |
| | | Frost resistance | ISO 10545-12 | Test passed in accordance with ISO 10545-1 | | | Resistant | Resistant | Resistant | Resistant |

- * Permitted deviation, in % or mm, from the average size of each tile (2 or 4 sides) with respect to the manufacturing size (W).
 - ** Permitted deviation, in % or mm, from the average thickness of each tile with respect to the cited manufacturing thickness (W).
 - *** Maximum permitted straightness deviation, in % or mm, with respect to the corresponding manufacturing sizes (W).
 - **** Maximum permitted perpendicularity deviation, in % or mm, with respect to the corresponding manufacturing sizes (W).
 - ***** Maximum permitted centre curvature deviation, in % or mm, with respect to the diagonal calculated according to manufacturing sizes (W).
 - e.c. Maximum permitted corner curvature deviation, in % or mm, with respect to the corresponding manufacturing sizes (W).
 - w. Maximum permitted bending deviation, in % or mm, with respect to the diagonal calculated according to manufacturing sizes (W).
- (1) Determining the slip resistance of pedestrian surfaces; not applicable to sports flooring or road traffic flooring.
 - (2) The anti-slip performance is guaranteed at the time of delivering the product.
 - (3) However, tiles with a DCOF of 0.42 or greater are not necessarily suitable for all projects. The specifier shall determine tiles appropriate for specific project conditions, considering by way of example, but not in limitation, type of use, traffic, expected contaminants, expected maintenance, expected wear, and manufacturers' guidelines and recommendations."
 - (4) For further details, please refer to the outdoor design general catalogue.
 - (5) Only for products with 20 mm thickness

SUPERNOVA MARBLE



THROUGH-BODY PORCELAIN TILE
TECHNICAL FEATURES - COMPLIANT WITH STANDARDS EN 14411 (ISO 13006)
ANNEX G GROUP BIA (G)



| | | | | |
|-------|---|------------------------------|-----------------------------|--|
| Sizes | 60x60 cm 23% [*] x23% [*] ± 10mm | 59x59 cm 23¼"x23¼" ± 10mm | 45x45 cm 17¾"x17¾" ± 9mm | 30x60 cm 11¾"x23% [*] ± 10mm |
|-------|---|------------------------------|-----------------------------|--|

| | Technical features | Test method | Requisites for nominal size N | | | Supernova Marble | | | | |
|--|---|---|--|-----|-----------|---|---|---|---|------------------------|
| | | | 7 cm ≤ N < 15 cm | | N ≥ 15 cm | | Polished not rectified | Matte not rectified 9mm 45x45 cm | Matte not rectified 10mm 60x60 cm | Textured not rectified |
| | | | (mm) | (%) | (mm) | (mm) | | | | |
| Physical properties | Bond strenght | EN 1348 | Declared value | | | ≥ 1.0 N/mm ² (Class C2 - EN 12004) | ≥ 1.0 N/mm ² (Class C2 - EN 12004) | ≥ 1.0 N/mm ² (Class C2 - EN 12004) | ≥ 1.0 N/mm ² (Class C2 - EN 12004) | |
| | Reaction to fire | - | Class A1 or A1 _{fl} | | | A1 - A1 _{fl} | A1 - A1 _{fl} | A1 - A1 _{fl} | A1 - A1 _{fl} | |
| Chemical features | Resistance to household chemicals and swimming pool salts | ISO 10545-13 | Minimum B class | | | UA | UA | UA | UA | |
| | Resistance to low concentrations of acids and alkalis | | Declared class | | | ULA | ULA | ULA | ULA | |
| | Resistance to high concentrations of acids and alkalis | | Declared class | | | | UHA | UHA | UHA | |
| | Stain resistance | ISO 10545-14 | Declared class | | | 5 | 5 | 5 | 5 | |
| Safety characteristics | Booted ramp test | DIN 51130 | Declared class | | | N.C. | R09 | R09 | R11 | |
| | Barefoot Ramp test | DIN 51097 | Declared value | | | | A | A | A+B+C | |
| | Pendulum friction Test | BS 7976 | PTV ≥ 36 classifies the surface as "low slip risk" | | | | | | | |
| | | AS 4586 | Declared Classification of the new pedestrian surface materials according to the Pendulum Test | | | | | | | |
| | | UNE-ENV 12633 | Declared value | | | | | | | |
| | Coefficient of friction | B.C.R.A. Rep. CEC/81 | Min. Dec. 236/89 of 14/06/89 μ >0.40 for a sliding leather element on a dry floor μ >0.40 for a sliding hard rubber element on a wet floor | | | | | | | |
| Dynamic coefficient of friction (DCOF) | ANSI A.137.1 | ANSI A.137.1-2017 Requires a minimum value of 0.42 for level interior space expected to be walked upon when wet. (3) | | | | | | | | |

* Permitted deviation, in % or mm, from the average size of each tile (2 or 4 sides) with respect to the manufacturing size (W).

** Permitted deviation, in % or mm, from the average thickness of each tile with respect to the cited manufacturing thickness (W).

*** Maximum permitted straightness deviation, in % or mm, with respect to the corresponding manufacturing sizes (W).

**** Maximum permitted perpendicularity deviation, in % or mm, with respect to the corresponding manufacturing sizes (W).

***** Maximum permitted centre curvature deviation, in % or mm, with respect to the diagonal calculated according to manufacturing sizes (W).

e.c. Maximum permitted corner curvature deviation, in % or mm, with respect to the corresponding manufacturing sizes (W).

w. Maximum permitted bending deviation, in % or mm, with respect to the diagonal calculated according to manufacturing sizes (W).

(1) Determining the slip resistance of pedestrian surfaces; not applicable to sports flooring or road traffic flooring.

(2) The anti-slip performance is guaranteed at the time of delivering the product.

(3) However, tiles with a DCOF of 0.42 or greater are not necessarily suitable for all projects. The specifier shall determine tiles appropriate for specific project conditions, considering by way of example, but not in limitation, type of use, traffic, expected contaminants, expected maintenance, expected wear, and manufacturers' guidelines and recommendations."

(4) For further details, please refer to the outdoor design general catalogue.

(5) Only for products with 20 mm thickness