



| Sizes | 120x278 cm | 120x240 cm | 75x150 cm | 120x120 cm | 60x120 cm | 90x90 cm | 45x90 cm | 75x75 cm | 60x60 cm | 30x60 cm | 120x120 cm |
|-------|------------------|-----------------|-------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|
| Sizes | 47 1/4"x109 1/2" | 47 1/4"x94 1/2" | 29 1/2"x59" | 47 1/4"x47 1/4" | 23 5/8"x47 1/4" | 35 3/8"x35 3/8" | 17 3/4"x35 3/8" | 29 1/2"x29 1/2" | 23 5/8"x23 5/8" | 11 3/4"x23 5/8" | 47 1/4" x 47 1/4" |
| | ± 6mm | ± 9mm | ± 9.5mm | ± 9mm | ± 20mm | ± 20mm | ± 9mm | ± 9.5mm | ± 9mm | ± 9mm | ± 20mm |

| | Characteristics | Test Method | Requirements for nominal size N | | | BOOST | | |
|--|--|---|---|--------------|--------------|---|---|---|
| | | | Requirements for nominal size N | | | Matt rectified | Matt rectified ± 6mm 120x278 cm | Grip rectified |
| | | | 7 cm ≤ N < 15 cm | N ≥ 15 cm | | | | |
| | | | (mm) | (%) | (mm) | | | |
| Regularity characteristics | Length and width | ISO 10545-2 | ± 0,9 (*) | ± 0,6 (*) | ± 2,0 (*) | ±0.3% ±1.0mm | ±0.3% ±1.0mm | ±0.3% ±1.0mm |
| | Thickness | | ± 0,5 (**) | ± 5 (**) | ± 0,5 (**) | ±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 |
| | Rectangularity (Measurement only on short edges when L/I ≥ 3) | | ± 0,75 (****) | ± 0,5 (****) | ± 2,0 (****) | ±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 | ±0.4% ±1.8mm | ±0.4% ±1.8mm | ±0.4% ±1.8mm |
| | e.c. ± 0,75 | e.c. ± 0,5 | e.c. ± 2,0 | | | | | |
| | w. ± 0,75 | w. ± 0,5 | w. ± 2,0 | | | | | |
| Structural features | Water absorption level (in% by mass) | ISO 10545-3 | $E_p \leq 0,5\%$ Individual Maximum 0,6% - Individual Maximum 0,6% | | | ≤0.1% | ≤0.1% | ≤0.1% |
| | | ASTM C373-18 | Requirement ANSI A137.1-2017 Water Absorption Max < 0,5% | | | ≤0.5% | ≤0.5% | ≤0.5% |
| Bulk mechanical features | Breaking strength | ISO 10545-4 | S ≥ 700N (per spessore < 7,5mm - for thickness < 7,5mm) S ≥ 1300N (per spessore ≥ 7,5mm - for thickness ≥ 7,5mm) | | | S ≥ 1500 N | S ≥ 1000 N | S ≥ 1500 N |
| | Modulus of Rupture | | R ≥ 35 N/mm ² | | | R ≥ 40 N/mm ² | R ≥ 40 N/mm ² | R ≥ 40 N/mm ² |
| | Bending Strength and Breaking Load | EN 1339 Annex F | - | | | - | - | - |
| | Impact resistance, as coefficient of restitution | ISO 10545-5 | Declared value | | | ≥0.55 | ≥0.55 | ≥0.55 |
| Surface mechanical features | Mohs hardness | EN 101 | - | | | MOHS 6 | MOHS 6 | MOHS 8 |
| | Resistance to deep abrasion of unglazed tiles (removed volume) | ISO 10545-6 | ≤ 175 mm ³ | | | ≤150mm ³ | ≤150mm ³ | ≤150mm ³ |
| Thermo-igrometric features | Coefficient of linear thermal expansion | ISO 10545-8 | Declared value | | | ≤7 1/mk | ≤7 1/mk | ≤7 1/mk |
| | Thermal shock resistance | ISO 10545-9 | Pass according to EN ISO 10545-1 | | | Resiste | Resiste | Resiste |
| | Moisture expansion (in mm/m) | ISO 10545-10 | Declared value | | | ≤0.01% (0.1mm/m) | ≤0.01% (0.1mm/m) | ≤0.01% (0.1mm/m) |
| | Frost resistance | ISO 10545-12 | Pass according to EN ISO 10545-1 | | | Resiste | Resiste | Resiste |
| Physical properties | Bond strength/adhesion for improved cementitious adhesives | 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) |
| | Reaction to fire | - | Class A1 or 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 Class B | | | A | A | A |
| | Resistance to low concentrations of acids and alkalis | | Declared Class | | | LA | LA | LA |
| | Resistance to high concentrations of acids and alkalis | | Declared Class | | | HA | HA | HA |
| | Resistance to staining for glazed tiles | ISO 10545-14 | Declared Class | | | 5 | 5 | 5 |
| Safety characteristics | Shod Ramp Test | DIN 51130 | Declared Class | | | R10 | R9 | R11 |
| | Barefoot Ramp Test | DIN 51097 | Declared value | | | A+B | A | A+B+C |
| | Pendulum Friction Test | BS 7976 | PTV 36 classifies the surface as "low slip risk" | | | ≥ 36 dRY ≥ 36 Wet | PTV ≥ 36 Wet on demand / su richiesta | ≥ 36 Dry ≥ 36 Wet |
| | | AS 4586 | Declared Classification of the new pedestrian surface materials according to the Pendulum Test | | | Class P3 | P3 on demand | Class P4 |
| | | UNE-ENV 12633 | Declared value | | | Class C2 | C2 On demand | Class C3 |
| | Coefficient of friction (COF) | B.C.R.A. Rep. CEC/81 | D. M. 236/89 del 14/06/89 μ >0,40 per elemento scivolante cuoio su pavimentazione asciutta μ >0,40 per elemento scivolante gomma dura su pavimentazione bagnata | | | >0.40Asciutto >0.40Bagnato | >0.40Asciutto >0.40Bagnato | >0.40Asciutto >0.40Bagnato |
| 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) | | | >0.42Wet | >0.42Wet | >0.42Wet | |

- * Deviazione ammissibile, in % oppure mm, della dimensione media di ogni piastrella (2 oppure 4 lati) dalla dimensione di fabbricazione (W).
The permissible deviation, in % or mm, of the average size for each tile (2 or 4 sides) from work size (W).
- ** Deviazione ammissibile, in % oppure mm, dello spessore medio di ogni piastrella dallo spessore riportato nella dimensione di fabbricazione (W).
The permissible deviation, in % or mm, of the average thickness for each tile from the work size thickness (W).
- *** Deviazione massima ammissibile di rettilineità, in % oppure mm, in rapporto alle dimensioni di fabbricazione (W) corrispondenti.
The maximum permissible deviation from straightness, in % or mm, related to the corresponding work sizes (W).
- **** Deviazione massima ammissibile di ortogonalità, in % oppure mm, in rapporto alle dimensioni di fabbricazione (W) corrispondenti.
The maximum permissible deviation from rectangularity, in % or mm, related to the corresponding work sizes (W).
- c.c. Deviazione massima ammissibile della curvatura del centro, in % oppure mm, in rapporto alla diagonale calcolata secondo le dimensioni di fabbricazione (W).
The maximum permissible deviation from centre curvatures, in % or mm, related to diagonal calculated from the work sizes (W).
- e.c. Deviazione massima ammissibile della curvatura dello spigolo, in % oppure mm, in rapporto alle dimensioni di fabbricazione (W) corrispondenti.
The maximum permissible deviation from edge curvatures, in % or mm, related to the corresponding work sizes (W).

- w. Deviazione massima ammissibile dello svergolamento, in % oppure mm, in rapporto alla diagonale calcolata secondo le dimensioni di fabbricazione (W).
The maximum permissible deviation from warpage, in % or mm, related to diagonal calculated from the work sizes (W).
- Determinazione della resistenza allo scivolamento delle superfici pedonabili; non si applica alle pavimentazioni sportive ed alle pavimentazioni stradali veicolari.
- (1) Determination of slip resistance of pedestrian surfaces; it does not cover sports surfaces and road surfaces for vehicles (skid resistance).
- (2) Le prestazioni anti-slip vengono garantite al momento della consegna del prodotto.
Anti-slip performance is guaranteed at the time of delivery of the product.
However, tiles with a DCOF of 0.42 or greater are not necessarily suitable for all projects.
- (3) 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 outdoor design general catalogue.
- (5) Only for products with 20 mm thickness.