



| Sizes | 75x150 cm 29 1/2"x59" ± 9.5mm | 45x90 cm 17 3/4"x35 3/8" ± 9mm | 75x75 cm 29 1/2"x29 1/2" ± 9.5mm | 60x60 cm 23 5/8"x23 5/8" ± 9mm | 30x60 cm 11 3/4"x23 5/8" ± 9mm |
|-------|-------------------------------------|--------------------------------------|--|--------------------------------------|--------------------------------------|
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| TECHNICAL FEATURES / TECHNICAL FEATURES | | | | Requirements for nominal size N Requisiti per dimensione nominale N | | | ROOM FLOOR |
|---|--|---|-------------------------------|---|---|--|--------------|
| | | | | 7 cm ≤ N < 15 cm (mm) | N ≥ 15 cm (%) (mm) | | Matt |
| Regularity features | | Length and width Length and width | ISO 10545-2 | ± 0,9 (*) | ± 0,6 (*) | ± 2,0 (*) | ±0.3% ±1.0mm |
| | | Thickness Thickness | | ± 0,5 (**) | ± 5 (**) | ± 0,5 (**) | ±5.0% ±0.5mm |
| | | Straightness of sides Straightness of sides | | ± 0,75 (***) | ± 0,5 (***) | ± 1,5 (***) | ±0.3% ±0.8mm |
| | | Rectangularity (Measurement only on short edges when L/l ≥ 3) Ortogonalità (Misurazione da condurre solo sui lati corti quando ≥ L/l 3) | | ± 0,75 (****) | ± 0,5 (****) | ± 2,0 (****) | ±0.3% ±1.5mm |
| | | Surface flatness Surface flatness | | c.c. ± 0,75 | c.c. ± 0,5 | c.c. ± 2,0 | ±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 | | |
| | | | | EN 14411 annex G (Group Bla) EN 14411 appendice G (Gruppo Bla) | ISO 13006 annex G (Group Bla) ISO 13006 appendice G (Gruppo Bla) | | |
| Structural features | | Water absorption level (in% by mass) Water absorption level (come % della massa) | ISO 10545-3 | E_B ≤ 0,5% Individual max 0,6% E _B ≤ 0,5% Valore max singolo 0,6% | | ≤0.1% | |
| Bulk mechanical features | | Breaking strength Breaking strength | ISO 10545-4 | S ≥ 1300 N | | S ≥ 1500 N | |
| | | Modulus of Rupture Modulus of Rupture | | R ≥ 35 N/mm ² | | R ≥ 40 N/mm ² | |
| | | Impact resistance, as coefficient of restitution Resistenza all'impatto, espresso come coefficiente di restituzione | ISO 10545-5 | Declare a value Dichiarare un valore | Test method available Metodo di prova disponibile | ≥0.55 | |
| Surface mechanical features | | Mohs hardness Mohs hardness | EN 101 ⁽¹⁾ | - | | MOHS 6 | |
| | | Resistance to deep abrasion of unglazed tiles (removed volume) Resistenza all'abrasione profonda delle piastrelle non smaltate (volume materiale asportato) | ISO 10545-6 | ≤ 175 mm ³ | | ≤150mm ³ | |
| Thermo-igrometric features | | Linear Thermal Expansion Coefficient Linear Thermal Expansion Coefficient | ISO 10545-8 | Declare a value Dichiarare un valore | Test method available Metodo di prova disponibile | ≤7 1/mk | |
| | | Thermal shock resistance Thermal shock resistance | ISO 10545-9 | Pass according to EN ISO 10545-1 Test superato in accordo con ISO 10545-1 | Test method available Metodo di prova disponibile | Resiste | |
| | | Expansion due to humidity (mm/m) Dilatazione all'umidità (in mm/m) | ISO 10545-10 | Declare a value Dichiarare un valore | Test method available Metodo di prova disponibile | ≤0.01% (0.1mm/m) | |
| | | Frost resistance Frost resistance | ISO 10545-12 | Pass according to EN ISO 10545-1 Test superato in accordo con ISO 10545-1 | Required Metodo di prova richiesto | Resiste | |
| Physical properties | | Bond strength/adhesion for improved cementitious adhesives Bond Strength | EN 1348 | Declare a value Dichiarare un valore | - | ≥1.0 N/mm ² (Class C2 - EN 12004) | |
| | | Reaction to fire Reaction to fire | - | Class A1 or A1_{fl} Classe A1 oppure A1 _{fl} | - | A1 - A1 _{fl} | |
| Chemical features | | Resistance to household chemicals and swimming pool salts Resistance to household chemicals and swimming pool salts | ISO 10545-13 | Minimum Class B (UB for unglazed tiles) Classe minima B (UB per piastrelle non smaltate) | | UA | |
| | | Resistance to low concentrations of acids and alkalis Resistance to low concentrations of acids and alkalis | | Declare a class Dichiarare una classe | Manufacturer is to state classification Secondo la classificazione indicata dal fabbricante | ULA | |
| | | Resistance to high concentrations of acids and alkalis Resistance to high concentrations of acids and alkalis | | Declare a class Dichiarare una classe | Test method available Metodo di prova disponibile | UHA | |
| | | Resistance to staining for glazed tiles Resistenza alle macchie piastrelle smaltate | ISO 10545-14 | Declare a class Dichiarare una classe | Test method available Metodo di prova disponibile | UA | |
| Safety features | | Barefoot Ramp Test Barefoot Ramp Test | DIN 51097 | Declare a value Dichiarare un valore | - | A | |
| | | Shod Ramp Test Shod Ramp Test | DIN 51130 | Declare a value Dichiarare un valore | - | R10 | |
| | | Pendulum Friction Test Pendulum Friction Test | UNE-ENV 12633 BS 7976-2002 | Declare a value Dichiarare un valore | - | Class 1 | |
| Safety features | | Coefficient of friction (COF) Coefficiente di attrito | 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 | |
| | | Dynamic Coefficient of Friction Dynamic Coefficient of Friction | ANSI A137.1 - 2012 | ANSI A.137.1 Requires a minimum value of 0.42 for commercial areas that are likely to be wet. | | >0.42Wet | |
| | | Static Coefficient of Friction Static Coefficient of Friction | ASTM C1028 - 2007 | The Ceramic Tiles Institute Identifies Tile Slip Resistant when SCOF ≥ 0,60 | | ≥0.60Dry ≥0.60Wet | |
| | | Pendulum Friction Test Pendulum Friction Test | AS/NZS 4586 - 2013 | Declared Classification of the pedestrian surface materials according to the Wet Pendulum Test | | Class P3 on demand | |

(*) The permissible deviation, in % or mm, of the average size for each tile (2 or 4 sides) from work size (W).

(**) The permissible deviation, in % or mm, of the average thickness for each tile from the work size thickness (W).

(***) The maximum permissible deviation from straightness, in % or mm, related to the corresponding work sizes (W).

(****) The maximum permissible deviation from rectangularity, in % or mm, related to the corresponding work sizes (W).

c.c. The maximum permissible deviation from centre curvature, in % or mm, related to diagonal calculated from the work sizes (W).

e.c. The maximum permissible deviation from edge curvature, in % or mm, related to the corresponding work sizes (W).

w The maximum permissible deviation from warpage, in % or mm, related to diagonal calculated from the work sizes (W).

(1) Requirements european standard EN 176.

(2) Determination of slip resistance of pedestrian surfaces; it does not cover sports surfaces and road surfaces for vehicles (skid resistance).

Anti-slip performance is guaranteed at the time of delivery of the product