



| Sizes форматы | 60x120 cm 23 5/8"x47 1/4" ± 10mm | 60x60 cm 23 5/8"x23 5/8" ± 10mm | 45x45 cm 17 3/4"x17 3/4" ± 8mm |
|------------------|--|---------------------------------------|--------------------------------------|
|------------------|--|---------------------------------------|--------------------------------------|

| TECHNICAL FEATURES / CARATTERISTICHE TECNICHE | | | | Requirements for nominal size N Requisiti per dimensione nominale N | | | PRIVILEGE | | |
|---|---|-------------------------------|---|--|---|---|---|------|----------|
| | | | | 7 cm ≤ N < 15 cm | | N ≥ 15 cm | | Matt | Polished |
| | | | | (mm) | (%) | (mm) | (mm) | | |
| Regularity features | <p>Length and width Размеры сторон</p> <p>Thickness Толщина</p> <p>Straightness of sides Straightness of sides</p> <p>Rectangularity (Measurement only on short edges when L/l ≥ 3) Ortogonalità (Misurazione da condurre solo sui lati corti quando ≥ L/l 3)</p> | ISO 10545-2 | ± 0,9 (*) | ± 0,6 (*) | ± 2,0 (*) | Suitable for | ± 0.2% ± 0.8 mm | | |
| | | | ± 0,5 (**) | ± 5 (**) | ± 0,5 (**) | ± 5.0% ± 0.5 mm | ± 5.0% ± 0.5 mm | | |
| | | | ± 0,75 (***) | ± 0,5 (***) | ± 1,5 (***) | Suitable for | ± 0.2% ± 0.8 mm | | |
| | | | ± 0,75 (****) | ± 0,5 (****) | ± 2,0 (****) | Suitable for | ± 0.2% ± 0.8 mm | | |
| | <p>Surface flatness Плоскостность</p> | | c.c. ± 0,75 | c.c. ± 0,5 | c.c. ± 2,0 | ± 0.3% ± 1.3 mm | ± 0.3% ± 1.3 mm | | |
| | | 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 | <p>Water absorption level (in% by mass) Водопоглощение (come % della massa)</p> | ISO 10545-3 | E _B ≤ 0,5% Individual max 0,6% E _B ≤ 0,5% Valore max singolo 0,6% | | | ≤ 0.1% | ≤ 0.1% | | |
| Bulk mechanical features | <p>Breaking strength Разрушающее усилие</p> | ISO 10545-4 | S ≥ 1300 N | | | S ≥ 1500 N | S ≥ 1500 N | | |
| | <p>Modulus of Rupture Предел прочности при изгибе</p> | | R ≥ 35 N/mm ² | | | R ≥ 45 N/mm ² | R ≥ 45 N/mm ² | | |
| | <p>Impact resistance, as coefficient of restitution Resistenza all'impatto, espresso come coefficiente di restituzione</p> | ISO 10545-5 | Declare a value Dichiarare un valore | Test method available Metodo di prova disponibile | | ≥ 0.55 | ≥ 0.55 | | |
| Surface mechanical features | <p>Mohs hardness Твёрдость по МООС</p> | EN 101 ⁽¹⁾ | - | | | Suitable for | MOHS 5 | | |
| | <p>Resistance to deep abrasion of unglazed tiles (removed volume) Resistenza all'abrasione profonda delle piastrelle non smaltate (volume materiale asportato)</p> | ISO 10545-6 | ≤ 175 mm ³ | | | ≤ 150mm ³ | ≤ 150mm ³ | | |
| Thermo-igrometric features | <p>Linear Thermal Expansion Coefficient Температурный коэффициент линейного расширения</p> | ISO 10545-8 | Declare a value Dichiarare un valore | Test method available Metodo di prova disponibile | | ≤ 7 1/mk | ≤ 7 1/mk | | |
| | <p>Thermal shock resistance Термическая стойкость</p> | 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 | Resiste | | |
| | <p>Expansion due to humidity (mm/m) Dilatazione all'umidità (in mm/m)</p> | ISO 10545-10 | Declare a value Dichiarare un valore | Test method available Metodo di prova disponibile | | ≤ 0.01% (0.1 mm/m) | ≤ 0.01% (0.1 mm/m) | | |
| | <p>Frost resistance Морозостойкость</p> | ISO 10545-12 | Pass according to EN ISO 10545-1 Test superato in accordo con ISO 10545-1 | | Required Metodo di prova richiesto | Resiste | Resiste | | |
| Physical properties | <p>Bond strength/adhesion for improved cementitious adhesives Прочность сцепления</p> | EN 1348 | Declare a value Dichiarare un valore | - | | ≥ 1.0 N/mm ² (Class C2 - EN 12004) | ≥ 1.0 N/mm ² (Class C2 - EN 12004) | | |
| | <p>Reaction to fire Огнестойкость</p> | - | Class A1 or A1 _{fl} Classe A1 oppure A1 _{fl} | - | | A1 - A1 _{fl} | A1 - A1 _{fl} | | |
| Chemical features | <p>Resistance to household chemicals and swimming pool salts Стойкость к химикатам, используемым в быту и для бассейнов</p> | ISO 10545-13 | Minimum Class B (UB for unglazed tiles) Classe minima B (UB per piastrelle non smaltate) | | | | UA | UA | |
| | <p>Resistance to low concentrations of acids and alkalis Спротивление кислотам и щелочам низкой концентрации</p> | | Declare a class Dichiarare una classe | Manufacturer is to state classification Secondo la classificazione indicata dal fabbricante | | ULA | ULA | | |
| | <p>Resistance to high concentrations of acids and alkalis Спротивление кислотам и щелочам высокой концентрации</p> | | Declare a class Dichiarare una classe | Test method available Metodo di prova disponibile | | UHA | 0 | | |
| | <p>Resistance to staining for glazed tiles Resistenza alle macchie piastrelle smaltate</p> | ISO 10545-14 | Declare a class Dichiarare una classe | Test method available Metodo di prova disponibile | | UA | UA | | |
| Safety features | <p>Barefoot Ramp Test Метод наклонной плоскости (босыми ногами)</p> | DIN 51097 | Declare a value Dichiarare un valore | - | | A | 0 | | |
| | <p>Shod Ramp Test Метод наклонной плоскости (в обуви)</p> | DIN 51130 | Declare a value Dichiarare un valore | - | | R09 | 0 | | |
| | <p>Pendulum Friction Test Метод маятника</p> | UNE-ENV 12633 BS 7976-2002 | Declare a value Dichiarare un valore | - | | 0 | 0 | | |

(*) 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