





| | 120x120 cm | 120x120 cm | 75x150 cm | 75x75 cm | 60x90 cm | 60x60 cm | 37,5x75 cm | 22,5x45,4 cm | 22,5x45,3 cm | 22,5x22,5 cm | |
|-------|------------------|-------------------|----------------|--------------------|-------------------|---------------|--------------------|---------------|--------------|------------------|---------------|
| Sizes | 471/4"×471/4" | 471/4"×471/4" | 29½"x59" | 29½"x29½" | 23%"x35%" | 23%"x23%" | 14¾"x29½" | 8%"x17%" | 8%"x17%" | 81/8"x81/8" | 8%"x8%" |
| | ▼ 9mm | ▼ 20mm | ₹ 9.5mm | ▼ 9.5mm | ▼ 20mm | ₹ 20mm | ▼ 9.5mm | ₹ 20mm | ₹9mm | ▼ 9mm | ₹ 20mm |

| | | | | Requisites for nominal size N | | | Aix | | | | | |
|------------------------|----------|--|-----------------|---|------------------------|----------------|---------------------|---------------------|---|---|---|--|
| | | Technical features | Test method | 7 cm ≤ N < 15 cm | IN ≤ 10 CIII | | Matte rectified | Grip rectified | Textured rectified 20mm | Textured not rectified 9mm | Textured not rectified | |
| | | | | (mm) | (%) ± 0,6 | (mm) ± 2,0 | ±0.3% | ±0.3% | · | | 20mm | |
| | | Length and width | | ± 0,9 (*) | (*) | (*) | ±1.0mm | ±1.0mm | Conforme | Conforme | Conforme | |
| | | Thickness | ISO 10545-2 | ± 0,9 (*) | ± 5 (**) | ± 0,5 (**) | ±5.0% ±0.5mm | ±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 | Conforme | Conforme | Conforme | |
| Regularity features | | Perpendicularity | | ± 0,75 (****) | ± 0,5 (***) | ± 2,0 (***) | ±0.3% ±1.5mm | ±0.3% ±1.5mm | Conforme | Conforme | Conforme | |
| | | Surface flatness | | c.c. ± 0,75 | c.c. ± 0,5 | c.c. ± 2,0 | | | Not applicable to "strong" structures | Not applicable to "strong" structures | Not applicable to "strong" structures | |
| | | | | e.c. ± 0,75 | e.c. ± 0,5 | e.c. ± 2,0 | ±0.4% ±1.8mm | ±0.4% ±1.8mm | | | | |
| | | | | w. ± 0,75 | w. ± 0,5 | w. ± 2,0 | | | | | | |
| | | | ISO 10545-3 | E _B ≤ 0,5% | | | ≤0.1% | ≤0.1% | ≤0.1% | ≤0.1% | ≤0.1% | |
| Structural features | | Water absorption | ASTM C373-18 | Requirement ANSI A137.1- 2017 Water Absorption Max < 0,5% | | | ≤0.5% | ≤0.5% | ≤0.5% | ≤0.5% | ≤0.5% | |
| | <u>↓</u> | Breaking strenght | ISO 10545-4 | S≥700N (for thickness < 7,5mm) S≥1300N (for thickness≥ 7,5mm) | | | S≥1500 N | S≥1500 N | S≥10000 N | S≥1500 N | S≥10000 N | |
| Bulk | | Bending resistance | | R ≥ 35 N/mm² | | | R ≥40 N/mm² | R ≥40 N/mm² | R ≥45 N/mm² | R ≥45 N/mm² | R ≥45 N/mm² | |
| mechanical features | | Bending and breaking load resistance | EN 1339 Annex F | - | | | | | | | | |
| | | Impact resistance | ISO 10545-5 | Declared value | | | ≥0.55 | ≥0.55 | ≥0.55 | ≥0.55 | ≥0.55 | |
| Surface mechanical | | Mohs hardness | EN 101 | | - | | MOHS 6 | MOHS 8 | MOHS 8 | MOHS 8 | MOHS 8 | |
| features | 0 | Deep abrasion resistance of unglazed tiles | ISO 10545-6 | ≤ 175 mm³ | | ≤150mm³ | ≤150mm³ | ≤150mm³ | ≤150mm³ | ≤150mm³ | | |
| | | Coefficient of linear thermal expansion | ISO 10545-8 | Declo | Declared value | | | ≤7MK-1 | ≤7MK-1 | ≤7MK-1 | ≤7MK-1 | |
| Thermo- | ** | Thermal shock resistance | ISO 10545-9 | Test passed with IS | d in accor O 10545- | | Resistant | Resistant | Resistant | Resistant | Resistant | |
| features | state. | 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) | ≤0.01% (0.1mm/m) | ≤0.01% (0.1mm/m) | |
| | 菜 | Frost resistance | ISO 10545-12 | Test passed in accordance with ISO 10545-1 | | Resistant | 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).
- $^{\star\star} \text{ Permitted deviation, in \% or mm, from the average thickness of each tile with respect to the cited manufacturing thickness (W).}$
- *** 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







120x120 cm 120x120 cm 75x150 cm 75x75 cm 60x90 cm 60x60 cm 37,5x75 cm 22,5x45,4 cm 22,5x45,3 cm 22,5x22,5 cm 22,5x22,5 cm 471/4"×471/4" 471/4"×471/4" 291/2"x59" 291/2"x291/2" 23%"x35%" 23%"x23%" 14³/₄"x29¹/₂" 81/8"×171/8" 81/8"×171/8" 81/81"x81/8" 87%"x87%" **₹**9mm ₹ 20mm ₹ 9.5mm ₹ 9.5mm ₹ 20mm **★** 20mm ₹ 9.5mm ₹ 20mm ₹ 9mm **₹**9mm ₹ 20mm

| | | | | Requisites for nominal size N | | | Aix | | | | | |
|---------------------------|----------|--|----------------------|--|------------------------------|--------------|--|--|--|--|--|--|
| | | Technical features | Test method | 7 cm ≤ N < 15 cm | N ≥ 15 cm | | Matte | Grip rectified | Textured rectified 20mm | Textured not rectified 9mm | Textured not rectified 20mm | |
| | | recimicarreatures | resementou | (mm) | (%) | mm) | rectified | | | | | |
| Physical properties | | Bond strenght | EN 1348 | Declared value | | | ≥1.0 N/mm² (Class C2 - EN 12004) | |
| | * | Reaction to fire | Reaction to fire - | | Class A1 or A1 _{fl} | | | A1 - A1 _{fl} | |
| | 5 | Resistance to household chemicals and swimming pool salts | | Minimum B class | | | А | А | А | А | А | |
| Chemical | | Resistance to low concentrations of acids and alkalis | ISO 10545-13 | Declared class | | | LA | LA | LA | LA | LA | |
| features | | Resistance to high concentrations of acids and alkalis | | Declared class | | | НА | НА | НА | НА | НА | |
| | | Stain resistance | ISO 10545-14 | Declared class | | | 5 | 5 | 5 | 5 | 5 | |
| | | Booted ramp test | DIN 51130 | Declared (| Declared class | | | A+B+C | A+B+C | A+B | A+B+C | |
| | | Barefoot Ramp test | DIN 51097 | Declared value | | | | | | | | |
| | | | BS 7976 | PTV ≥ 36 classifies the surface as "low slip risk" | | | ≥36Dry ≥36Wet | ≥36Dry ≥36Wet | ≥36Dry ≥36Wet | ≥36Dry ≥36Wet | ≥36Dry ≥36Wet | |
| | | Pendulum friction Test | AS 4586 | Declared Classification of the new pedestrian surface materials according to the Pendulum Test | | e | Class P3 | Class P4 | Class P4 | Class P3 | Class P4 | |
| Safety characteristics | | | UNE-ENV 12633 | Declared value | | | Class C2 | Class C3 | Class C3 | Class C2 | Class C3 | |
| | | Coefficient of friction | B.C.R.A. Rep. CEC/81 | Min. Dec. 236/89 of 14/06/8 μ >0.40 for a sliding leathe element on a dry floor μ >0.40 for a sliding hard rubl element on a wet floor | | her ubber | | >0.40Asciutto >0.40Bagnato | | | | |
| | | Dynamic coefficent 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) | | | | | | | | |

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