



Sizes	19 3/4" x 43 3/4" ± 8.5mm	19 3/4" x 43 3/4" ± 11mm	15 3/4" x 31 1/2" ± 8.5mm	15 3/4" x 31 1/2" ± 10mm
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	Technical features	Test method	Requisites for nominal size N			Dwell					
			7 cm ≤ N < 15 cm	N ≥ 15 cm		Shiny rectified 8.5mm	Shiny rectified 11mm 19 3/4" x 43 3/4"	Shiny rectified 10mm 15 3/4" x 31 1/2"			
			(mm)	(%)	(mm)						
Regularity features		ISO 10545-2	Length and width	± 0,75 (*)	± 0,5 (*)	± 2,0 (*)	±0.3% ±1.0mm	±0.3% ±1.0mm	±0.3% ±1.0mm		
			Thickness	± 0,5 (*)	± 10 (**)	± 0,5 (**)	±10.0% ±0.5mm	±10.0% ±0.5mm	±10.0% ±0.5mm		
			Straightness of sides	± 0,5 (***)	± 0,3 (***)	± 1,5 (***)	±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		
		Surface flatness	c.c. ± 0,75 - 0,50	c.c. ± 0,5 - 0,3	c.c. ± 2,0 - 1,5	±0.3% ±1.5mm	Not applicable	Not applicable			
			c.c. ± 0,75 - 0,50	c.c. ± 0,5 - 0,3	c.c. ± 2,0 - 1,5						
Structural features		ISO 10545-3	Water absorption level (in% by mass)	Average >10%. If this value > 20%, it must be indicated. Single value > 9%			10%<EV≤20%	10%<EV≤20%	10%<EV≤20%		
			Bulk mechanical features		ISO 10545-4	Breaking strenght	S ≥ 600N			S ≥600 N	S ≥600 N
Bending resistance	R ≥ 35 N/mm ²					R ≥15 N/mm ²	R ≥15 N/mm ²	R ≥15 N/mm ²			
Thermo-igrometric features		ISO 10545-8	Coefficient of linear thermal expansion	Declared value			≤7MK-1	≤7MK-1	≤7MK-1		
			ISO 10545-9	Thermal shock resistance	Test passed in accordance with ISO 10545-1			Resistant	Resistant	Resistant	
				ISO 10545-10	Moisture expansion (in mm/m)	Declared value			≤0.06% (0.6mm/m)	≤0.06% (0.6mm/m)	≤0.06% (0.6mm/m)
					ISO 10545-11	Crazing resistance: glazed tiles	Test passed in accordance with ISO 10545-1			≤0.06% (0.6mm/m)	≤0.06% (0.6mm/m)
Physical properties		EN 1348	Bond strenght	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			A1	A1	A1	
Chemical features		ISO 10545-13	Resistance to household chemicals and swimming pool salts	Minimum B class			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		
		ISO 10545-14	Stain resistance of glazed tiles	Minimum Class 3			5	5	5		
			ISO 10545-15	Release of dangerous substances: Cadmium (in mg/dm ²) and Lead (in mg/dm ²)	Declared value			≤0.01mg/dm ² Cd ≤0.1mg/dm ² Pb	≤0.01mg/dm ² Cd ≤0.1mg/dm ² Pb	≤0.01mg/dm ² Cd ≤0.1mg/dm ² Pb	

* 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