

ACQUARIO DUE

The art of Tiles

Technical Data Properties	Test ISO	EN 14411 BIII standard	Standar Acquario Due
Lenght and width	10545-2	< 15 cm: +/- 0,75mm ≥ 15 cm: +/- 0,5%, max. +/- 2,0 mm	L ≤ 151mm: +/- 0,3% L > 151mm: +/- 0,2% L > 447mm: +/- 0,15%
Thickness	10545-2	< 15 cm: +/- 0,5mm ≥ 15 cm: +/- 10%, max. +/- 0,5mm	d ≤ 6.3mm: +/- 4%d > 6.3mm: +/- 3%
Straightness of sides	10545-2	< 15 cm: +/- 0,5mm ≥ 15 cm: +/- 0,3%, max. +/- 1,5mm	+/- 0,2%
Rectangularity	10545-2	< 15 cm: +/- 0,75mm ≥ 15 cm: +/- 0,5%, max. +/- 2,0 mm	L < 447mm: +/- 0,3% L ≥ 447mm: +/- 0,2%
Central curvature	10545-2	< 15 cm: - 0,5 / + 0,75mm ≥ 15 cm: - 0,3% max. - 1,5 mm / + 0,5 % max. + 2,0 mm	-0,2/+0,4%, max. 1,5mm
Lateral curvature	10545-2	< 15 cm: - 0,5 / + 0,75mm ≥ 15 cm: - 0,3% max. - 1,5 mm / + 0,5 % max. + 2,0 mm	-0,2/+0,3%, max. 1,3mm
Deformation	10545-2	< 15 cm: 0,75mm ≥ 15 cm: 0,5%, max. 2,0 mm	-0,4% / + 0,2%, max. 1,3mm
Water absorption	10545-3	> 10%	Satisfying
Flexural strength	10545-4	d < 7.5mm: 15 N/mm ² d ≥ 7.5mm: 12 N/mm ²	≥ 16 N/mm ²
Breaking Load	10545-4	d < 7.5mm: 200 N d < 7.5mm: 600 N	d < 7.5mm: 300 N d < 7.5mm: 600 N
Linear thermal expansion coefficient	10545-8	9 x 10 ⁻⁶ [K ⁻¹]	7,5 x 10 ⁻⁶ [K ⁻¹]
Thermal shock resistance	10545-9	Required	Satisfying
Frost resistance	10545-12	Not Required	Not resist
Chemical resistance(excluding metallic enamels) against: Household chemicals and pool salts	10545-13	≥ GB	GA*
Stain resistance	10545-14	≥ Class 3	Class 5**

* Chemical resistance against acids and alkalis: Classe GLA (low concentrations) and GHA (high concentrations); A = highest class (no visible effects).

** With the exception of matt finish tiles

*** Does not apply to some colors