



Ref. Standard

EN 14411: 2012 Ceramic floor and wall tiles: definitions, classification, characteristics and marking

Product type

Dry pressed: group BIII GL
 Glazed ceramic wall tiles | natural edge

Collection

UNICOLOR NAT

Formats

(20x40) 20x40x0.84 | (30x45) 30x45x0.90 | (30x60) 29.5x59.2x0.90 cm

Colors

White cool³⁾, branco oriente, branco mate, alloy mate³⁾, alloy brilho³⁾, marfim mate³⁾, marfim brilho³⁾, smog mate³⁾, iron brilho³⁾, preto brilho³⁾



TEST METHODS	STANDARD METHOD	STANDARD VALUE	TYPICAL VALUE
Length and Width ¹⁾	ISO 10545-2	± 0.5% max.2.0 mm	± 0.3% max.2.0 mm
Thickness ¹⁾		± 5% max.± 0.5 mm	± 5% max.± 0.5 mm
Straightness of the edges ²⁾		0.3% max.± 1.5 mm	± 0.3% max.± 1.5 mm
Orthogonality ²⁾		± 0.5% max.± 2.0 mm	± 0.3% max.± 2.0 mm
Surface flatness ²⁾		+ 0.5% max. + 2.0 mm - 0.3% max. - 1.5 mm	+ 0.3% max. +1.8 mm - 0.2% max. -1.5 mm
Surface quality (% defect free)		≥ 95%	Complies
Water absorption	ISO 10545-3	> 10%	> 16% - 19%
Bending strength	8.4 9.0 mm	ISO 10545-4	≥ 600 N
Rupture modulus	ISO 10545-4	> 15 N/mm ²	> 15 N/mm ²
Coefficient of linear thermal expansion (with atmospheric temperature up to 100 °C)	ISO 10545-8	Test method available	Test method available
Cracking resistance (glazed)	ISO 10545-11	Required	Resist
Resistance against acids and alkalis	ISO 10545-13	low concentrations	Test method available
		high concentrations	Test method available
Resistance to household chemicals and swimming pool water additives	ISO 10545-13	Min. Class B	Class A
Resistance to staining	ISO 10545-14	Test method available	Min. Class 4
Reaction to fire	EN 13823 . EN 9239-1	A1 _{FL}	Class A1FL / Class A1

¹⁾ permissible deviation of the average value for each tile from the work size (w); ²⁾ deviation related to corresponding work sizes;
³⁾ 30x60 only

Revigres guarantees compliance with all the requirements of the EN 14411 Grupo BIII GL standard.
 The typical value is indicative and does not have the nature of a negotiation proposal.
 Technical specifications are only valid for the products classified as 1st choice.
 For additional information, please contact: revigres@revigres.pt.

By the Quality Department
 2024.08.31



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Ref. Standard

EN 14411: 2012 Ceramic floor and wall tiles: definitions, classification, characteristics and marking

Product type

Dry pressed: group BIII GL
 Glazed ceramic wall tiles | edge rectified

Collection

UNICOLOR RECT

Formats

(30x60) 29.5x59.2x0.90 | (30x90) 29.5x88.9x1.23 | (40x120) 39.4x118.6x1.23 cm

Colors

White cool, branco oriente⁴⁾, branco mate⁴⁾, alloy mate, alloy brilho³⁾, marfim mate, marfim brilho⁴⁾, smog mate, iron brilho³⁾, preto mate⁵⁾, preto brilho³⁾



TEST METHODS	STANDARD METHOD	STANDARD VALUE	TYPICAL VALUE
Length and Width ¹⁾	ISO 10545-2	± 0.5% max. 2.0 mm	± 0.2% max. ±1.0 mm
Thickness ¹⁾		± 5% max. ± 0.5 mm	± 5% max. ± 0.5 mm
Straightness of the edges ²⁾		0.3% max. ± 1.5 mm	± 0.2% max. ± 0.8 mm
Orthogonality ²⁾		± 0.5% max. ± 2.0 mm	± 0.2% max. ±1.5 mm
Surface flatness ²⁾		+ 0.5% max. + 2.0 mm - 0.3% max. - 1.5 mm	+ 0.3% max. +1.8 mm - 0.2% max. -1.5 mm
Surface quality (% defect free)		≥ 95%	Complies
Water absorption	ISO 10545-3	> 10%	> 16% - 19%
Bending strength	9.0 12.3 mm	ISO 10545-4	≥ 600 N
Rupture modulus	ISO 10545-4	> 15 N/mm ²	> 15 N/mm ²
Coefficient of linear thermal expansion (with atmospheric temperature up to 100 °C)	ISO 10545-8	Test method available	Test method available
Cracking resistance (glazed)	ISO 10545-11	Required	Resist
Resistance against acids and alkalis	low concentrations	ISO 10545-13	Test method available
	high concentrations		Test method available
Resistance to household chemicals and swimming pool water additives	ISO 10545-13	Min. Class B	Class A
Resistance to staining	ISO 10545-14	Test method available	Min. Class 4
Reaction to fire	EN 13823 . EN 9239-1	A1 _{FL}	Class A1FL / Class A1

¹⁾ permissible deviation of the average value for each tile from the work size (w); ²⁾ deviation related to corresponding work sizes;

³⁾ 30x60 only; ⁴⁾ 30x60 and 30x90 only; ⁵⁾ 40x120 only

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