

Ref. standard

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

Product type

Dry pressed: group Bla UGL
Full body porcelain tiles | double load | edge rectified | structured surface

Collection

FLINT ESTR. RECT

Formats

(30x60) 29.5x59.2x0.85 | (60x60) 59.2x59.2x0.85 cm

Colors

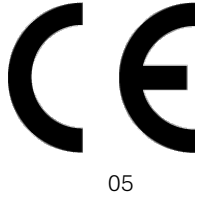
Marfim, ice, glaciador, gris, platina, arg prata, fog, preto



TEST METHODS		STANDARD METHOD	STANDARD VALUE	TYPICAL VALUE
Length and Width ¹⁾		ISO 10545-2	± 0.6% max.2.0 mm	± 0.1% max.± 1.0 mm
Thickness ¹⁾			± 5% max.± 0.5 mm	± 5% max.± 0.5 mm
Straightness of the edges ²⁾			± 0.5% max.± 2.0 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. ± 1.8 mm
Surface quality (% defect free)			≥ 95%	Complies
Water absorption		ISO 10545-3	< 0.5%	< 0.05%
Bending strength	8.5 mm	ISO 10545-4	≥ 1300 N	≥ 2000 N
Rupture modulus		ISO 10545-4	> 35	> 45 N/mm ²
Resistance to deep abrasion		ISO 10545-6	< 175 mm ³	< 120 mm ³
Coefficient of linear thermal expansion (with atmospheric temperature up to 100 °C)		ISO 10545-8	As indicated by producer	≤ 8,0x10 ⁻⁶ °C ⁻¹
Resistance to thermal shock		ISO 10545-9	Required	Resist
Resistant to frost		ISO 10545-12	Required	Resist
Resistance against acids and alkalis	low concentrations	ISO 10545-13	As indicated by producer	Class LA
	high concentrations		As indicated by producer	Class HA
Resistance to household chemicals and swimming pool water additives		ISO 10545-13	Min. Class B	Class A
Resistance to staining		ISO 10545-14	As indicated by producer	Class 5
Antislip resistance		DIN 51130	Test method available	R11
		DIN 51097	Test method available	B
		ENV 12633	Test method available	Class 3
		BS 7976 [#96 rubber]	Test method available	36+
		ANSI A137-1 [DCOF]	Test method available	≥ 0,42
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;

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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.
The use of the product must be adapted to its traffic intensity and slip resistance classification.
For additional information, please contact: revigres@revigres.pt.



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

Product type Dry pressed: group Bla UGL
Full body porcelain tiles | double load | edge rectified | matt surface

Collection FLINT MATT RET

Formats (30x30) 29.5x29.5x0.85 | (30x60) 29.5x59.2x0.85 | (60x60) 59.2x59.2x0.85
(60x120) 59.2x118.6x0.98 | (90x90) 88.9x88.9x1.05 cm

Colors Marfim, ice, glaciár, gris, platina, arg prata, fog, preto



TEST METHODS	STANDARD METHOD	STANDARD VALUE	TYPICAL VALUE
Length and Width ¹⁾	ISO 10545-2	± 0.6% max.2.0 mm	± 0.1% max.± 1.0 mm
Thickness ¹⁾		± 5% max.± 0.5 mm	± 5% max.± 0.5 mm
Straightness of the edges ²⁾		± 0.5% max.± 2.0 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. ± 1.8 mm
Surface quality (% defect free)		≥ 95%	Complies
Water absorption	ISO 10545-3	< 0.5%	< 0.05%
Bending strength	8.5 mm	ISO 10545-4	≥ 1300 N
	9.8 10.5 mm		≥ 2000 N
Rupture modulus	ISO 10545-4	> 35 N/mm ²	> 45 N/mm ²
Resistance to deep abrasion	ISO 10545-6	< 175 mm ³	< 120 mm ³
Coefficient of linear thermal expansion (with atmospheric temperature up to 100 °C)	ISO 10545-8	As indicated by producer	≤ 8,0x10 ⁻⁶ °C ⁻¹
Resistance to thermal shock	ISO 10545-9	Required	Resist
Resistant to frost	ISO 10545-12	Required	Resist
Resistance against acids and alkalis	ISO 10545-13	low concentrations	As indicated by producer
		high concentrations	As indicated by producer
Resistance to household chemicals and swimming pool water additives	ISO 10545-13	Min. Class B	Class A
Resistance to staining	ISO 10545-14	As indicated by producer	Class 5
Antislip resistance	DIN 51130	Max. R13	R10
	DIN 51097	Max. C	A
	ENV 12633	Max. class 3	Class 2
	BS 7976 [#96 rubber]	Test method available	36+
	ANSI A137-1 [DCOF]	Test method available	≥ 0,42
Reaction to fire	EN 13823 . EN 9239-1	A1 _{FL}	Class A1FL / Class A1

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

Product type Dry pressed: group Bla UGL
 Full body porcelain tiles | double load | edge rectified | polished surface

Collection FLINT POL
Formats (30x30) 29.5x29.5x0.80 | (30x60) 29.5x59.2x0.80 | (60x60) 59.2x59.2x0.80
 (60x120) 59.2x118.6x0.93 | (90x90) 88.9x88.9x1.00 cm

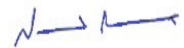
Colors Marfim, ice, glaciár, gris, platina, arg prata, fog, preto

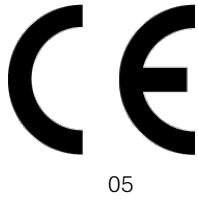


TEST METHODS		STANDARD METHOD	STANDARD VALUE	TYPICAL VALUE
Length and Width ¹⁾		ISO 10545-2	± 0.6% max. 2.0 mm	± 0.1% max. ± 1.0 mm
Thickness ¹⁾			± 5% max. ± 0.5 mm	± 5% max. ± 0.5 mm
Straightness of the edges ²⁾			± 0.5% max. ± 2.0 mm	± 0.2% max. ± 0.8 mm
Orthogonality ²⁾			± 0.5% max. ± 2.0 mm	± 0.2% max. ± 1.5 mm
Surface flatness ²⁾			± 0.5% max. ± 2.0 mm	± 0.3% max. ± 1.8 mm
Surface quality (% defect free)			≥ 95%	Complies
Water absorption		ISO 10545-3	< 0.5%	< 0.05%
Bending strength	8.0 mm	ISO 10545-4	≥ 1300 N	≥ 1500 N
	9.3 mm			≥ 2000 N
	10.0 mm			≥ 3500 N
Rupture modulus		ISO 10545-4	> 35 N/mm ²	> 45 N/mm ²
Resistance to deep abrasion		ISO 10545-6	< 175 mm ³	< 120 mm ³
Coefficient of linear thermal expansion (with atmospheric temperature up to 100 °C)		ISO 10545-8	As indicated by producer	≤ 8,0x10 ⁻⁶ °C ⁻¹
Resistance to thermal shock		ISO 10545-9	Required	Resist
Resistant to frost		ISO 10545-12	Required	Resist
Resistance against acids and alkalis	low concentrations	ISO 10545-13	As indicated by producer	Min. class LB
	high concentrations			Test method available
Resistance to household chemicals and swimming pool water additives		ISO 10545-13	Min. Class B	Min. class B
Resistance to staining		ISO 10545-14	As indicated by producer	Min. class 3
Antislip resistance		-	-	-
Reaction to fire		EN 13823 . EN 9239-1	A1 _{FL}	Class A1FL / Class A1

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Ref. standard

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

Product type

Dry pressed: group Bla UGL
 Full body porcelain tiles | double load | edge rectified | soft surface

Collection

FLINT SOFT

Formats

(30x30) 29.5x29.5x0.85 | (30x60) 29.5x59.2x0.85 | (60x60) 59.2x59.2x0.85
 (60x120) 59.2x118.6x0.98 | (90x90) 88.9x88.9x1.05 cm

Colors

Marfim, ice, glaciador, gris, platina, arg prata, fog, preto



TEST METHODS		STANDARD METHOD	STANDARD VALUE	TYPICAL VALUE
Length and Width ¹⁾		ISO 10545-2	± 0.6% max.2.0 mm	± 0.1% max.± 1.0 mm
Thickness ¹⁾			± 5% max.± 0.5 mm	± 5% max.± 0.5 mm
Straightness of the edges ²⁾			± 0.5% max.± 2.0 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. ± 1.8 mm
Surface quality (% defect free)			≥ 95%	Complies
Water absorption		ISO 10545-3	< 0.5%	< 0.05%
Bending strength	8.5 mm	ISO 10545-4	≥ 1300 N	≥ 2000 N
	9.8 10.5 mm			≥ 3500 N
Rupture modulus		ISO 10545-4	> 35	> 45 N/mm ²
Resistance to deep abrasion		ISO 10545-6	< 175 mm ³	< 120 mm ³
Coefficient of linear thermal expansion (with atmospheric temperature up to 100 °C)		ISO 10545-8	As indicated by producer	≤ 8,0x10 ⁻⁶ °C ⁻¹
Resistance to thermal shock		ISO 10545-9	Required	Resist
Resistant to frost		ISO 10545-12	Required	Resist
Resistance against acids and alkalis	low concentrations	ISO 10545-13	As indicated by producer	Class LA
	high concentrations			Class HA
Resistance to household chemicals and swimming pool water additives		ISO 10545-13	Min. Class B	Class A
Resistance to staining		ISO 10545-14	As indicated by producer	Class 5
Antislip resistance		DIN 51130	Test method available	-
		DIN 51097	Test method available	-
		ENV 12633	Test method available	-
		BS 7976 [#96 rubber]	Test method available	-
		ANSI A137-1 [DCOF]	Test method available	-
Reaction to fire		EN 13823 . EN 9239-1	A1 _{FL}	Class A1FL / Class A1

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