

REVIGRÉS - Indústria Revestimentos de Grés Lda Apartado 1 - 3754-001 Barrô - Agueda | Portugal Tel: +351 234 660 100 | revigres@revigres.pt

TECHNICAL DATA SHEET



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

characteristics and marking Dry pressed: group Bla UGL

Full body porcelain tiles | double load |edge rectified | structured surface

Collection **Formats**

Product type

OMNI ESTR. RECT (60x60) 59.2x59.2x0.98 cm

Colors Ice, bone, platina, rope, iron, jet



TEST METHODS		STANDARD METHOD	STANDARD VALUE	TYPICAL VALUE
Length and Width 1)			± 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	9.8 mm	ISO 10545-4	≥ 1300 N	≥ 3500 N
Rupture modulus		ISO 10545-4	> 35	> 45 N/mm²
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	low concentations	100 405 45 40	As indicated by producer	Class LA
alkalis	high concentrations	ISO 10545-13	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	R12
		DIN 51097	Test method available	С
		ENV 12633	Test method available	Class 3
		BS 7976 [#96 rubber]	Test method available	40+
		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 averag	e value for each tile from the v	vork size (w); ²⁾ deviation related	to corresponding work sizes;	005/10

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

Revigrés guarantees compliance with all the requirements of the EN 14411 Grupo Bla UGL 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.

The use of the product must be adapted to its traffic intensity and slip resistance classification.

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 Bla UGL

Full body porcelain tiles | double load |edge rectified | matt surface

Collection Formats

OMNI MATT RECT

 $(30x60)\ \ 29.5x59.2x0.98\ |\ (60x60)\ 59.2x59.2x0.98\ |\ (45x90)\ 44.35x88.9x1.05$

(60x120) 59.2x118.6x0.98 | (90x90) 88.9x88.9x1.05 cm

Colors Ice, bone, platina, rope, iron, jet

DOUBLE

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	9.8 10.5 mm	ISO 10545-4	≥ 1300 N	≥ 3500 N
Rupture modulus		ISO 10545-4	> 35 N/mm²	> 45 N/mm²
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	low concentations	ISO 10545-13	As indicated by producer	Class LA
alkalis	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	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
alkalis Resistance to household chemicals and swimming pool water additives Resistance to staining Antislip resistance		ISO 10545-13 ISO 10545-14 DIN 51130 DIN 51097 ENV 12633 BS 7976 [#96 rubber] ANSI A137-1 [DCOF]	Min. Class B As indicated by producer Max. R13 Max. C Max. class 3 Test method available Test method available	Class A Class 5 R10 A Class 2 36+ ≥ 0,42

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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TECHNICAL DATA SHEET





Ref. standard

Product type

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

characteristics and marking Dry pressed: group Bla UGL

Full body porcelain tiles | double load |edge rectified | polished surface

Collection **Formats**

(30x60) 29.5x59.2x0.93 | (60x60) 59.2x59.2x0.93 | (45x90) 44.35x88.9x0.98

(60x120) 59.2x118.6x0.93 | (90x90) 88.9x88.9x0.98 cm

Colors Ice, bone, platina, rope, iron, jet

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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
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Surface quality (% defect free)			≥ 95%	Complies
Water absorption		ISO 10545-3	< 0.5%	< 0.05%
Bending stregth	9.3 9.8 mm	ISO 10545-4	≥ 1300 N	≥ 3500 N
Rupture modulus		ISO 10545-4	> 35 N/mm²	> 45 N/mm²
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	low concentations	ISO 10545-13	As indicated by producer	Mín. class LB
alkalis	high concentrations		As indicated by producer	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
1) permissible deviation of the averag	ge value for each tile from the	work size (w); ²⁾ deviation relate	ed to corresponding work sizes;	003/10

permissible deviation of the average value for each tile from the work size (w); ²¹ deviation related to corresponding work sizes;

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

characteristics and marking Dry pressed: group Bla UGL

Full body porcelain tiles | double load |edge rectified | soft surface

Collection OMNI SOFT

Product type

Formats (30x60) 29.5x59.2x0.98 | (60x60) 59.2x59.2x0.98 | (45x90) 44.35x88.9x1.05

(60x120) 59.2x118.6x0.98 | (90x90) 88.9x88.9x1.05 cm

Colors Ice, bone, platina, rope, iron, jet



TEST METHODS		STANDARD METHOD	STANDARD VALUE	TYPICAL VALUE
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Water absorption		ISO 10545-3	< 0.5%	< 0.05%
Bending stregth	9.8 10.5 mm	ISO 10545-4	≥ 1300 N	≥ 3500 N
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Resistance to thermal shock		ISO 10545-9	Required	Resist
Resistant to frost		ISO 10545-12	Required	Resist
Resistance against acids and	low concentations	ISO 10545-13	As indicated by producer	Class LA
alkalis	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	-
		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

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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