

## **TECHNICAL DATA SHEET**



REVIGRÉS - Indústria Revestimentos de Grés Lda Apartado 1 - 3754-001 Barrô - Agueda | Portugal Tel: +351 234 660 100 | 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 | edge rectified | antislip surface

Collection Formats

Colors

ANTISLIP SLATE RET

(60x60) 59.2x59.2x0.85 cm Anthracite, multicolor



05	Colo	Anthracite, multicol	or	BODY
TEST METHODS		STANDARD METHOD	STANDARD VALUE	TYPICAL VALUE
ength 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 <sup>2)</sup>			± 0.5% max.± 2.0 mm	± 0.2% max.± 0.8 mm
Orthogonality <sup>2)</sup>			± 0.5% max.± 2.0 mm	± 0.2% max.± 1.5 mm
Surface flatness <sup>2)</sup>			± 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 N/mm²	> 45 N/mm²
Resistance to deep abrasion		ISO 10545-6	< 175 mm <sup>3</sup>	< 120 mm <sup>3</sup>
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 concentations	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	Max. R13	R12
		DIN 51097	Max. C	С
		ENV 12633	Max. class 3	Class 3
		BS 7976 [#96 rubber]	Test method available	36+
		ANSI A137-1 [DCOF]	Test method available	≥ 0,42

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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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

006/10



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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 | edge rectified | matt surface

Collection Formats

SLATE MATT RECT

(15x15) 14.65x14.65x0.85 | (30x60) 29.5x59.2x0.85 | (60x60) 59.2x59.2x0.85

(60x120) 59.2x118.6x0.98 cm

Colors Anthracite, multicolor



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TEST METHODS		STANDARD VALUE	TYPICAL VALUE
ength and Width <sup>1)</sup>		± 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 <sup>2)</sup>		± 0.5% max.± 2.0 mm	± 0.2% max.± 0.8 mm
Orthogonality <sup>2)</sup>		± 0.5% max.± 2.0 mm	± 0.2% max.± 1.5 mm
Surface flatness <sup>2)</sup>		± 0.5% max.± 2.0 mm	± 0.3% max. ± 1.8 mm
Surface quality (% defect free)		≥ 95%	Complies
Water absorption		< 0.5%	< 0.05%
8.5 mm	—ISO 10545-4	≥ 1300 N	≥ 2000 N
9.8 mm			≥ 3500 N
Rupture modulus		> 35 N/mm²	> 45 N/mm²
Resistance to deep abrasion		< 175 mm <sup>3</sup>	< 120 mm <sup>3</sup>
Coefficient of linear thermal expansion (with atmospheric temperature up to 100 °C)		As indicated by producer	≤ 8,0x10-6 °C-1
Resistance to thermal shock		Required	Resist
Resistant to frost		Required	Resist
low concentations	—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		Min. Class B	Class A
Resistance to staining		As indicated by producer	Class 5
Antislip resistance		Max. R13	R10
		Max. C	В
		Max. class 3	Class 2
		Test method available	36+
		Test method available	≥ 0,42
Reaction to fire		A1 <sub>FL</sub>	Class A1FL / Class A1
	8.5 mm 9.8 mm  bansion up to 100 °C)  low concentations high concentrations	ISO 10545-2   ISO 10545-3   ISO 10545-4   ISO 10545-4   ISO 10545-6   ISO 10545-6   ISO 10545-9   ISO 10545-12   ISO 10545-12   ISO 10545-12   ISO 10545-13   ISO 10545-1	# 0.6% max.2.0 mm  # 5% max.± 0.5 mm  # 0.5% max.± 2.0 mm  # 0.5% max.±

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

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

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**Product type** Dry pressed: group Bla UGL

Full body porcelain tiles | natural edge | matt surface

Collection

SLATE MATT NAT

Formats (30x60) 30.0x60.0x0.85 cm
Colors Anthracite, multicolor



TEST METHODS		STANDARD METHOD	STANDARD VALUE	TYPICAL VALUE
Length and Width <sup>1)</sup>			± 0.6% max.2.0 mm	±0.3% max. ± 1.8 mm
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Surface flatness <sup>2)</sup>			± 0.5% max.± 2.0 mm	± 0.3% max. ± 1.8 mm
Surface quality (% defect free)	Surface quality (% defect free)		≥ 95%	Complies
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Bending strength	8.5 mm	ISO 10545-4	≥ 1300 N	≥ 2000 N
Rupture modulus		ISO 10545-4	> 35 N/mm²	> 45 N/mm²
Resistance to deep abrasion		ISO 10545-6	< 175 mm <sup>3</sup>	< 120 mm <sup>3</sup>
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Resistance to thermal shock		ISO 10545-9	Required	Resist
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Resistance against acids and alkalis	low concentations	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	Max. R13	R10
		DIN 51097	Max. C	В
		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 <sub>FL</sub>	Class A1FL / Class A1

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