



Reference Standard: EN 14411: 2012 Ceramic Floor and Wall Tiles: Definitions, Classification, Characteristics and Marking

Product Type: Dry Pressed: Group BIa UGL

REVIGRÉS Reference: HYDRAULIK NAT

Use: Internal and External Wall and Floor Tiles

TEST METHODS	STANDARD AND TEST VALUE	DECLARED VALUES
Length and Width	ISO 10545-2 ± 0,5%	± 0,2%
Deviation of mean thickness from manufacturing thickness	± 5%	± 5%
Straightness of the edges	ISO 10545-2 ± 0,5%	± 0,3%
Orthogonality	± 0,6%	± 0,3%
Surface Flatness	± 0,5%	± 0,3%
Surface quality (% defect free)	≥ 95%	Compliant
Water Absorption	ISO 10545-3 < 0,5%	< 0,05%
Bending Strength (N)		
Thickness ≥ 14 mm	ISO 10545-4 ≥ 1300	> 6500
8,5 mm < Thickness < 14 mm	ISO 10545-4 ≥ 1300	> 3500
7,0 mm ≤ Thickness ≤ 8,5 mm	ISO 10545-4 ≥ 1300	> 2000
Rupture Modulus (N/mm ²)	> 35	> 45
Resistance to deep abrasion (removed Volume/mm ³)	ISO 10545-6 < 175	< 120
Coefficient of Linear Thermal expansion (with atmospheric temperature up to 100 °C)	ISO 10545-8 Test method available	≤ 8,0x10 ⁻⁶ / °C
Resistance to Thermal shock	ISO 10545-9 Required	Resistant
Resistant to frost	ISO 10545-12 Required	Without visible defects
Resistance to Acids and high concentrations Bases	ISO 10545-13 The producer declares the classification	Class HA
Resistance to Acids and low concentrations Bases		Class LA
Resistance to household chemicals and swimming pool water additives		Mín. Class B
Resistance to staining	ISO 10545-14 Test method available	Class 5
Antislip Resistance	DIN 51130 Máx. R13	R9
Antislip Resistance	DIN 51097 Máx. C	A
Antislip Resistance	ENV 12633 Máx class 3	class 1
Antislip Resistance	BS 7976 Test method available (PTV)	Test available
Antislip Resistance	ANSI A137.1 Test method available (DCOF)	DCOF ≥ 0,42
Resistance to heavy shock	UPEC CSTB UPEC Level 0 a 5	Level 3
Reaction to fire	EN 13823 EN 9239-1 A1 _{FL}	Class A1 _{FL} / Class A1

*Technical specifications are only valid for the products classified as 1st choice.

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