



<b>Reference Standard:</b>	EN 14411: 2012 Ceramic Floor and Wall Tiles: Definitions, Classification, Characteristics and Marking
<b>Product Type:</b>	Dry Pressed: Group Bla GL
<b>REVIGRÉS Reference:</b>	PENHA NAT
<b>Use:</b>	Internal and External Wall and Floor Tiles

TEST METHODS	STANDARD AND TEST VALUE	DECLARED VALUES	
Length and Width	ISO 10545-2	± 0,2%	
Deviation of mean thickness from manufacturing thickness		± 5%	
Straightness of the edges		± 0,5%	
Orthogonality		± 0,6%	
Surface Flatness		± 0,5%	
Surface quality (% defect free)		≥ 95%	Compliant
Water Absorption	ISO 10545-3	< 0,5%	
Bending Strength (N)	ISO 10545-4	> 3500	
8,5 mm < Thickness < 14 mm		≥ 1300	
7,0 mm ≤ Thickness ≤ 8,5 mm		≥ 1300	
Rupture Modulus (N/mm <sup>2</sup> )		> 40	
Resistance to deep abrasion (PEI Groups)	ISO 10545-7	PEI Groups III-IV-V	
Coefficient of Linear Thermal expansion (with atmospheric temperature up to 100 °C)	ISO 10545-8	Test method available	
Resistant to frost	ISO 10545-12	Required	
Resistance to Acids and high concentrations Bases	ISO 10545-13	The producer declares the classification	
Resistance to Acids and low concentrations Bases			Class LA
Resistance to household chemicals and swimming pool water additives			Class A
Resistance to staining	ISO 10545-14	Min. Class 3	
Antislip Resistance	DIN 51130	Máx. R13	
Antislip Resistance	DIN 51097	Máx. C	
Antislip Resistance	ENV 12633	Máx Class 3	
Reaction to fire	EN 13823 EN 9239-1	A1 <sub>FL</sub>	

\*Technical specifications are only valid for the products classified as 1<sup>st</sup> choice.

008/10

Quality Manager  
2021.07.20