



Product Data Sheet		Group BI <sub>a</sub> - Annex G EN14411:2016	 
Intended use of the material: Floor and wall tiles for interior			
<p><b>Type of material:</b> Glazed porcelain tiles, dry pressed.</p> <p><b>Format:</b> 50x100 Rett (W= 496x995x9mm).</p>			
Series : QUARZ			
Kind of test		Referring standard	Standard value
Dimensions	Length and width tolerances	UNI EN ISO 10545-2	± 0,6%; ± 2,0 mm
	Thickness tolerances		± 5%; ± 0,5 mm
	Tolerance straightness of the sides		± 0,5%; ± 1,5 mm
	Squareness and flatness tolerances		± 0,5%; ± 2,0 mm
Physical Properties	Determination of water absorption	UNI EN ISO 10545-3	≤ 0,5%
	Determination of breaking strength	UNI EN ISO 10545-4	≥ 1300 N
	Determination of modulus of rupture	UNI EN ISO 10545-4	≥ 35 N/mm <sup>2</sup>
	Det. of resistance to surface abrasion glazed tile	UNI EN ISO 10545-7	Classification: PEI V
	Thermal Shock resistance	UNI EN ISO 10545-9	resistant
	Determination of frost resistance	UNI EN ISO 10545-	resistant
	Determination of scratch hardness Mohs scale	Mohs - EN101	Scratch Mohs: 8
	<b>Determination of slip resistance</b>		
	Determination of dynamic coefficient of friction (DCOF)	BOT 3000 (ANSI A 137.1:2012)	≥ 0.42
	Determination of the property antislip of bathed zones on which it walks knots on foot	DIN 51097 (a/b/c)	Slide angle: / Classification: B
Determination of anti-slippery characteristic (work's zone with high risk of slippery)	DIN 51130	Slide angle: / Classification: R9	
Determination of static coefficient of friction	ASTM C1028	Dry Neolite: / Wet Neolite: /	
<b>Determination of resistance to stains</b>			
Chemical Resistance	Stains having tracing action (pastes) <i>Green staining agent in light oil</i>	UNI EN ISO 10545- 14	Classification: 5
	Stains having chemical/oxidizing action <i>Lodine/alcohol solution, 13 g/l</i>		Classification: 5
	Stains having filming action <i>Olive oil</i>		Classification: 5

Determination of chemical resistance		
Household chemicals <i>Ammonium chloride</i>	UNI EN ISO 10545- 13	Classification: A
Swimming pool salts <i>Sodium hyupochlorite</i>		Classification: A
Determination of resistance acids and alkaline		
Citric acid	UNI EN ISO 10545- 13	Classification: LA
Hydrochloric acid		Classification: LA
Potassium hydroxide		Classification: LA
The values in the table refer to the tests performed on color <i>White</i>		

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