

Product Data Sheet		Group BI _a - Annex G EN14411:2016	 	
Intended use of the material: Floor and wall tiles for interior				
Type of material: Glazed porcelain tiles, dry press				
Format: 30x60 Rett (W= 296x595x9 mm); 60x60 Nat. 60x60 Rett (W= 595x595x9 mm); 60x120 Rett (W= 595x1192x9 mm); 90x90 Rett (W= 900x900x9 mm) .				
Series : City				
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 ²	
	Determination of resistance to surface abrasion	UNI EN ISO 10545-7	Classification: PEI IV	
	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	
	Determination of slip resistance			
	Determination of dinamic coefficient of friction (DCOF)	BOT 3000 (ANSI A 137.1:2012)	≥ 0,42	
	Determination of the property antislidage 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 slipperly)	DIN 51130	Slide angle: /		
		Classification: R10		

	Determination of static coefficient of friction	ASTM C1028	Dry Neolite: /
			Wet Neolite: /
Chemical Resistance	Determination of resistance to stains		
	Stains having tracing action (pastes) Green staining agent in light oil		Classification: 5
	Stains having chemical/oxidizing action Iodine/alcohol solution, 13 g/l	UNI EN ISO 10545- 14	Classification: 5
	Stains having filming action Olive oil		Classification: 5
	Determination of chemical resistance		
	Household chemicals (ammonium chloride)	UNI EN ISO 10545- 13	Classification: A
	Swimming pool salts (sodium hypochlorite)		Classification: A
	Determination of resistance acids and alkaline		
	Citric acid	UNI EN ISO 10545- 13	Classification: LA
	Hydrochloric acid		Classification: HA
	Potassium hydroxide		Classification: HA
	The values in the table refer to the tests performed on color Beige		

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