

**Intended use of the material:** floor and wall tiles for interior and exterior use

 Group BIa UGL - Annex G  
EN 14411:2016

**Type of material:** glazed porcelain tiles, dry pressed, rectified, format:  
 30x60 cm (W= 297x597 x 9,0 mm)  
 60x60 cm (W= 597x597 x 9,0 mm)  
 60x120 cm (W= 597x1197 x 9,0 mm)

 Series Name: **BRERA**

 Article: **Bianco / Grigio / Beige / Antracite**

Kind of test		Referring standard	Standard Value
<b>Dimensions</b>	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
<b>Physical Properties</b>	Water absorption E <sub>b</sub>	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>
	Determination of surface abrasion	UNI EN ISO 10545-6	153 mm <sup>3</sup>
	Thermal Shock resistance	UNI EN ISO 10545-9	resistant
	Crazing Resistance	UNI EN ISO 10545-11	resistant
	Frost resistance	UNI EN ISO 10545-12	resistant
	Determination of slip resistance	DIN 51130	R10
DIN 51097		B (A+B)	
<b>Chemical Resistance</b>	Stain resistance - class	UNI EN ISO 10545-14	≥ 4
	Resistance to low concentrations of acids and alkalis	UNI EN ISO 10545-13	LA
	Resistance to high concentrations of acids and alkalis		HA
	Resistance to household chemicals and swimming pool salts		A