

MENTA

EN 14411: 2012 Annex G Group Bla GL

TECHNICAL FEATURE	TEST METHOD	REQUIRED MINIMUM STANDARDS	MENTA
SIZES AND LOOK OF THE TILE	ISO 10545-2	Length and width $\pm 0,6\%$ / ± 2.0 mm Thickness $\pm 5\%$ / ± 0.5 mm Straightness of sides $\pm 0,5\%$ / ± 1.5 mm Rectangularity $\pm 0,5\%$ / ± 2.0 mm Surface flatness $\pm 0,5\%$ / ± 2.0 mm Surface quality: 95% of tiles with no defaults	Compliant Compliant Compliant Compliant Compliant
WATER ABSORPTION	ISO 10545-3	≤ 0.5 %	0,05 % (average values referred to the last production)
AVERAGE BENDING STRENGTH	ISO 10545-4	35 N/mm ² min.	38,8 N/mm ² (average values referred to the last production)
BREAKING STRENGTH	ISO 10545-4	Thickness $\geq 7,5$ mm: 1300 N min.	Compliant
RESISTANCE TO SURFACE ABRASION	ISO 10545-7	State the PEI rate and covered cycles	Bianco-Beige-Grigio Chiaro: CLASS 4 (6000 rotations) Grigio Scuro-Antracite: CLASS 4 (2100 rotations)
CRAZING RESISTANCE	ISO 10545-11	Required	Compliant
FROST RESISTANCE	ISO 10545-12	Required	Compliant
CHEMICAL RESISTANCE (DOMESTIC USE AND SWIMMING POOL CHEMICALS)	ISO 10545-13	Min. GB	Compliant
STAIN RESISTANCE	ISO 10545-14	Min. Class 3	Class 5

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COEFFICIENT OF FRICTION	B.C.R.A. METHOD (D.M. no. 236 of 14/06/1989 of Italian Republic)		Matte/Outdoor: DRY: > 0,40 WET: > 0,40
ANTISLIP PROPERTIES	DIN 51130		Matte: R10 Outdoor: R11
ANTISLIP PROPERTIES ON WET SURFACES	DIN 51097		Matte/Outdoor: A+B
DYNAMIC COEFFICIENT OF FRICTION	DCOF ANSI A137-1:2012		Matte: WET: 0.53

Valid only for items in 1st. choice.

On request we can certify conformity with standards that are not mentioned hereby








The special trims for the series, apart from those used for stair coverings, do not comply with the ISO EN 14411 standard.

Average values refer to tests which have been made on the unpolished surface if not otherwise specifically indicated.

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EN 14411:2012 ALLEGATO C GRUPPO BIa UGL

CARATTERISTICA TECNICA TECHNICAL FEATURE TECHNISCHE EIGENSCHAFT CARACTERISTIQUE TECHNIQUE	METODO DI PROVA TEST METHOD PRÜFUNGS-METHODE METHODE D'ESSAI	REQUISITO NORMA REQUIRED STANDARDS NORMVORGABE VALEUR PRESCRITES SELON LA NORME	≠ 20 mm
 Dimensioni e Aspetto Sizes and look of the tile Abmessungen und Aussehen der Fliese Dimensions et Aspect du carreau	ISO 10545-2	Lunghezza e larghezza / Length and width Länge und Breite / Longueur et largeur $\pm 0,6\%$ / $\pm 2,0$ mm Spessore / Thickness / Stärke / Epaisseur $\pm 5\%$ / $\pm 0,5$ mm Rettilinearità spigoli / Straightness of sides Kantengeradheit / Rectitude des arêtes $\pm 0,5\%$ / $\pm 1,5$ mm Ortogonalità / Rectangularity Rechtwinkligkeit / Angularité $\pm 0,5\%$ / $\pm 2,0$ mm Planarità / Surface flatness / Ebenheit / Planéité $\pm 0,5\%$ / $\pm 2,0$ mm Qualità della superficie; il 95% delle piastrelle esenti da difetti Surface quality: 95% of tiles with no defaults Qualitätsanforderungen für die Oberfläche: 95% der Fliesen ohne Schaden Qualité de la surface: 95% des carreaux sans défauts	Conforme Compliant Konform Conforme
 Assorbimento d'acqua Water absorption Wasseraufnahme Absorption d'eau	ISO 10545-3	$\leq 0,5\%$ (Massimo valore singolo / Maximum single value Maximaler Einzelwert / Valeur individuelle maximale: 0,6 %)	<0,2%
 Resistenza alla flessione media Average bending strength Mittlere Biegefestigkeit Résistance à la flexion moyenne	ISO 10545-4	35 N/mm ² min. (Valore singolo / Single value Einzelwert / Valeur individuelle: 32 N/mm ² min.)	Conforme Compliant Konform Conforme
	EN 1339	-	T11*
 Sforzo di rottura Breaking strength Bruchlast Force de rupture	ISO 10545-4	Spessore / Thickness / Stärke / Epaisseur $\geq 7,5$ mm: 1300 N min. $< 7,5$ mm: 700 N min.	10.000 N
 Resistenza all'abrasione profonda Resistance to deep abrasion Tiefenabriebfestigkeit Résistance à l'abrasion profonde	ISO 10545-6	175 mm ² max.	145 mm ²
 Resistenza al gelo Frost resistance Frostbeständigkeit Résistance au gel	ISO 10545-12	Richiesta - Required Notwendig - Requisite	Resistente Resistant Widerstandsfähig Résistant
 Resistenza agli agenti chimici (Uso domestico e additivi per piscina) Chemical resistance (Domestic use and swimming pool chemicals) Beständigkeit gegen Chemikalien (Gebrauch im Wohnbereich und Chemikalien für Schwimmbad) Résistance à l'attaque chimique (Usage domestique et additifs pour piscine)	ISO 10545-13	UB min - Min. UB UB mind. - Min UB	UA Resistente Resistant Widerstandsfähig Résistant

* Valido solo per i formati quadrati - Valid only for square formats - Gültig nur für die quadratischen Formate - Valable uniquement pour les formats carrés

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SERIE SERIES - SERIE SÉRIE	REAZIONE AL FUOCO EN 13823	CARATTERISTICA ANTISDRUCCIOLO METODO DIN 51130	CARATTERISTICA ANTISDRUCCIOLO SU BACINATO METODO DIN 51097	COEFFICIENTE DI ATTRITO METODO B.C.R.A. D.M. 14/06/89 N° 236 PAR. 3.2.2
gres ++				
MENTA = 20 MM	A1fl-A1 (Nessuna reazione - No reaction Keine reaktion - Aucune réaction)	Esterno R11	Esterno A + B	Esterno DRY: > 0,40 WET: > 0,40



Stone+Tile

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PRODUCT COMPLIANT WITH LEED® REQUIREMENTS (LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN)

the American association that takes care of implementing and regulating the construction of sustainable buildings through LEED® certification (Leadership in Energy and Environmental Design).

As a result of their technical and structural characteristics, our products can help buildings obtain a score based on LEED® parameters, and have been duly certified by the external certification body CERTIQUALITY.

Our products are compliant with LEED® requisites thanks to their high recyclable material content.

Our products have obtained the EPD (Environmental Product Declaration) for the sector, which provides environmental details on the life cycle of products, in accordance with the international standard ISO 14025, compliant with LEED® requisites.

The light refractive index of the porcelain stoneware support guarantees maximum heat insulation and excellent energy performance.

Hygienic and easy to clean, our products help improve the quality and safety of building interiors.

The eco-sustainable requisites do not affect the appearance of the product, and our porcelain stoneware is always on the leading edge of design and technological innovation.

Sustainable sites – Reduction of the heat island effect

Depending on the type of colour and use, the high SRI (Solar Reflectance Index) of Ceramica Fioranese products can help reduce the heat island effect (the difference in the thermal gradient between urban and extra-urban areas) and its effects on the microclimate, human habitat and wildlife.

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REQUISITES	Credits
OUTDOOR PAVING SR > 33	1 point
LOW SLOPE ROOFS SRI > 82	1 point
HIGH SLOPE ROOFS SRI > 39	1 point

REQUISITES	Credits
SECTOR EPD	1/2 points
ORIGIN OF RAW MATERIALS - RECYCLED CONTENT	1 point
COMPONENTS - END PRODUCTS AND MATERIALS THAT DO NOT CONTAIN SUBSTANCES CLASSIFIED AS OF VERY HIGH CONCERN ACCORDING TO REACH CRITERIA	1 point

REQUISITES	Credits
PRODUCTS THAT DO NOT CONTAIN VOC	1 point

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DT 55



ATTESTAZIONE DELLA
— PERCENTUALE DI RICICLATO



High content of recycled material

SERIES	COLORS	LEED® additional points for recycled material content Credits: Building Product Disclosure and Optimization – Sourcing of Raw Materials
MENTA	BIANCO BEIGE GRIGIO CHIARO GRIGIO SCURO ANTRACITE	> 40% pre_consumer 1 Point