

## LOIRE

### EN 14411:2012 Annex G Group Bla GL

TECHNICAL FEATURE	TEST METHOD	REQUIRED STANDARDS	LOIRE
SIZES AND LOOK OF THE TILE	ISO 10545-2	Length and width $\pm 0,6\%/ \pm 2.0\text{mm}$	Compliant
		Thickness $\pm 5\%/ \pm 0.5\text{mm}$	Compliant
		Straightness of sides $0,5\%/ \pm 1.5\text{mm}$	Compliant
		Rectangularity $\pm 0,5\%/ \pm 2.0\text{mm}$	Compliant
		Surface flatness $\pm 0,5\%/ \pm 2.0\text{mm}$ Surface quality: 95% of tiles with no defaults	Compliant
WATER ABSORPTION	ISO 10545-3	$\leq 0.5 \%$	0,1 % (average values referred to the last production)
AVERAGE BENDING STRENGTH	ISO 10545-4	35 N/mm <sup>2</sup> min.	45,5 N/mm <sup>2</sup> (average values referred to the last production)
BREAKING STRENGTH	ISO 10545-4	Thickness $\geq 7,5 \text{ mm}$ : 1300 N min.	Compliant
RESISTANCE TO SURFACE ABRASION	ISO 10545-7	State the PEI rate and covered cycles.	Avorio/Grigio/Taupe: Classe 4 (6000 rotations) Moka: Classe 4 (2100 rotations)
CRAZING RESISTANCE	ISO 10545-11	Required	Compliant
FROST RESISTANCE	ISO 10545-12	Required	Compliant

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Cap. Soc. € 12.000.000,00 i.v. - Reg. Impr. di Modena e C.F. 01927780369  
R.E.A. Modena n° 252818 - Partita IVA: IT 01927780369

UNI EN ISO 9001:2008  
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CHEMICAL RESISTANCE (ACID AND ALKALI LOW CONCENTRATION)	ISO 10545-13	According to the classification stated by the manufacturer	GLA Class
CHEMICAL RESISTANCE (DOMESTIC USE AND SWIMMING POOL CHEMICALS)	ISO 10545-13	min. UB	Compliant
STAIN RESISTANCE	ISO 10545-14	Min. class 3	Class 5

COEFFICIENT OF FRICTION	B.C.R.A. METHOD (D.M. no. 236 of 14/06/1989 of Italian Republic)		DRY: > 0,40 WET: > 0,40
ANTISLIP PROPERTIES	DIN 51130		Unpolished: R10 Esterno R11: R11
ANTISLIP PROPERTIES ON WET SURFACES	DIN 51097		Unpolished: A+B Esterno R11: A+B+C
DYNAMIC COEFFICIENT OF FRICTION	DCOF ANSI A137-1:2012		Unpolished: WET: 0.67

Valid only for items in 1st. choice.

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# GRES PORCELLANATO

## EN 14411:2012 ALLEGATO G GRUPPO BIa UGL

CARATTERISTICA TECNICA TECHNICAL FEATURE TECHNISCHE EIGENSCHAFT CARACTERISTIQUE TECHNIQUE ТЕХНИЧЕСКАЯ ХАРАКТЕРИСТИКА		METODO DI PROVA TEST METHOD PRÜFUNGMETHODE METHODE D'ESSAI МЕТОД ИСПЫТАНИЯ	REQUISITO NORMA REQUIRED STANDARDS NORMVORGABE VALEUR PRESCRITE SELON LA NORME ТРЕБОВАНИЯ НОРМЫ	gresX2
	Dimensioni e Aspetto Sizes and look of the tile Abmessungen und Aussehen der Fliese Dimensions et Aspect du carreau Размеры и внешний вид	ISO 10545-2	<p>Lunghezza e larghezza / Length and width Länge und Breite / Longueur et largeur / Длина и ширина Spessore / Thickness / Stärke / Epaisseur / Толщина Rettilineità spigoli / Straightness of sides / Kartengeradheit Rectitude des arêtes / Линейность кромок Ortogonalità / Rectangularity / Rechtwinkligkeit Angularità / Правильность формы Planarità / Surface flatness / Ebenheit / Planéité / Плоскость</p> <p>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 Качество поверхности: 95% плиток без брака</p>	<p>±0,6% / ±2.0 mm ±5% / ±0.5 mm ±0,5% / ±1.5 mm ±0,5% / ±2.0 mm ±0,5% / ±2.0 mm</p> <p>Conforme Compliant Konform Conforme Соответствует нормативам</p>
	Assorbimento d'acqua Water absorption - Wasseraufnahme Absorption d'eau - Водопоглощение	ISO 10545-3	<p>≤ 0,5% (Massimo valore singolo - Maximum single value Maximaler Einzelwert - Valeur individuelle maximale Максимальное единичное значение 0,6%)</p>	< 0,2%
	Resistenza alla flessione media Average bending strength Mittlere Biegefestigkeit Résistance à la flexion moyenne Сопротивление среднему изгибу	ISO 10545-4	<p>35 N/mm<sup>2</sup> min. (Valore singolo - Single value - Einzelwert Valeur individuelle - Единичное значение 32 N/mm<sup>2</sup> min.)</p>	<p>Conforme Compliant Konform Conforme Соответствует нормативам</p>
		EN 1339	-	T11*
	Sforzo di rottura Breaking strength - Bruchlast Force de rupture - Разрушающее усилие	ISO 10545-4	<p>Spessore / Thickness / Stärke - Epaisseur / Толщина ≥ 7,5 mm: 1300 N min. &lt; 7,5 mm: 700 N min.</p>	10.000 N
	Resistenza all'abrasione profonda Resistance to deep abrasion Tiefenabriebfestigkeit Résistance à l'abrasion profonde Сопротивляемость глубокому истиранию	ISO 10545-6	175 mm <sup>2</sup> max.	145 mm <sup>2</sup>
	Resistenza al gelo Frost resistance - Frostbeständigkeit Résistance au gel - Морозостойкость	ISO 10545-12	<p>Richiesta - Required Notwendig - Requisite - Требуется</p>	<p>Resistente Resistant Widerstandsfähig Resistent Прочный</p>
	Resistenza agli agenti chimici (Basse concentrazioni di acidi e alcali) Chemical resistance (Acid and alkali low concentrations) Beständigkeit gegen Chemikalien (Niedrige Konzentration von Säuren und Alkalien) Résistance à l'attaque chimique (Basses concentrations d'acides et d'alcali) Химическая устойчивость (к малым концентрациям кислот и щелочей)	ISO 10545-13	<p>Secondo la classificazione indicata dal fabbricante According to the classification stated by the manufacturer Gemäß der vom Hersteller angegebenen Klassifikation Selon le classement fourni par le fabricant Указать класс химической устойчивости</p>	<p>ULA, UHA Resistente Resistant Widerstandsfähig Resistent Прочный</p>
	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) Химическая устойчивость (для использования в домашнем хозяйстве и бассейнах)	ISO 10545-13	<p>UB min min. UB UB mind min UB UB мин</p>	<p>UA Resistente Resistant Widerstandsfähig Resistent Прочный</p>

\*Valido solo per i formati quadrati - Valid only for square formats - Gilt nur für die quadratischen Formate - Valable uniquement pour les formats carrés - Только для квадратной плитки

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Ceramics of Italy

**SERIE COEM CHE RISPONDONO ALLA NORMATIVA EN 14411:2012 ALLEGATO G GRUPPO BIa UGL E LORO CARATTERISTICHE QUALIFICANTI**  
 COEM SERIES THAT COMPLY WITH THE EN 14411:2012 ANNEX G GROUP BIa UGL STANDARD AND THEIR QUALIFYING CHARACTERISTICS  
 COEM-SERIEN, DIE DER NORM EN 14411:2012 ANLAGE G GRUPPE BIa UGL ENTSPRECHEN UND IHRE QUALIFIZIERENDEN EIGENSCHAFTEN  
 SERIES COEM CONFORMES A LA NORME EN 14411:2012 ANNEXE G GROUPE BIa UGL ET LEURS CARACTERISTIQUES DETERMINANTES  
 СЕРИИ «СОЕМ», СООТВЕТСТВУЮЩИЕ ГРУППЕ BIa UGL ПРИЛОЖЕНИЯ G НОРМЫ EN 14411:2012, И ИХ ОСНОВНЫЕ ХАРАКТЕРИСТИКИ

SERIE SERIES - SERIE SERIE - СЕРИИ	REAZIONE AL FUOCO EN 13823	CARATTERISTICA ANTISDRUCCIOLO METODO DIN 51130	CARATTERISTICA ANTISDRUCCIOLO SU BAGNATO METODO DIN 51097	COEFFICIENTE DI ATTRITO METODO B.C.R.A. D.M. 14/06/89 n° 236 par. 8.2.2
LOIRE 60,4x90,6 - 75x75 - 60x60	A1fi-A1 (nessuna reazione*)	Esterno R11: R11	Esterno R11: A + B	DRY: > 0,40 WET: > 0,40

\* Nessuna reazione - No reaction - Keine reaktion - Aucune réaction - Реакция отсутствует

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