

## REVERSO

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

TECHNICAL FEATURE	TEST METHOD	REQUIRED STANDARDS	REVERSO
SIZES AND LOOK OF THE TILE	ISO 10545-2	Length and width $\pm 0,6\%/\pm 2.0$ mm	Compliant
		Thickness $\pm 5\%/\pm 0.5$ mm	Compliant
		Straightness of sides $\pm 0,5\%/\pm 1.5$ mm	Compliant
		Rectangularity $\pm 0,5\%/\pm 2.0$ mm	Compliant
		Surface flatness $\pm 0,5\%/\pm 2.0$ mm Surface quality: 95% of tiles with no defaults	Compliant
WATER ABSORPTION	ISO 10545-3	$\leq 0.5$ %	0,03 % (average values referred to the last production)
AVERAGE BENDING STRENGTH	ISO 10545-4	35 N/mm <sup>2</sup> min.	48,4 N/mm <sup>2</sup> (average values referred to the last production)
BREAKING STRENGTH	ISO 10545-4	Thickness $\geq 7,5$ mm: 1300 N min.	Compliant
RESISTANCE TO DEEP ABRASION	ISO 10545-6	175 mm <sup>3</sup> max.	Compliant
FROST RESISTANCE	ISO 10545-12	Required	Compliant
CHEMICAL RESISTANCE (ACID AND ALKALI LOW CONCENTRATION)	ISO 10545-13	According to the classification stated by the manufacturer	ULA Class
CHEMICAL RESISTANCE (DOMESTIC USE AND SWIMMING POOL CHEMICALS)	ISO 10545-13	min. UB	Compliant

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COEFFICIENT OF FRICTION	B.C.R.A. METHOD (D.M. no. 236 of 14/06/1989 of Italian Republic)		Unpolished/Outdoor: DRY: > 0.40 WET: > 0.40
ANTISLIP PROPERTIES	DIN 51130		Unpolished: R10 Outdoor: R11
ANTISLIP PROPERTIES ON WET SURFACES	DIN 51097		Outdoor: A+B
DYNAMIC COEFFICIENT OF FRICTION	DCOF (ANSI A137- 1:2012)		Unpolished: WET: 0.60 Outdoor: WET: 0.67

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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## 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 PRÜFUNGSMETHODE 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	Lunghezza e larghezza / Length and width Länge und Breite / Longueur et largeur / Длина и ширина Spessore / Thickness / Stärke / Épaisseur / Толщина Rettineità spigoli / Straightness of sides / Kantengeradheit Rectitude des arêtes / Линеинность кромок Ortogonalità / Rectangularity / Rechtwinkigkeit Angolarità / Правильность формы Planarità / Surface flatness / Ebenheit / Planität / Плохооть Qualità della superficie: 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	±0,6% / ±2.0 mm ±5% / ±0.5 mm ±0,5% / ±1.5 mm ±0,5% / ±2.0 mm ±0,5% / ±2.0 mm	Conforme Compliant Konform Conforme Соответствует нормативам
 Assorbimento d'acqua Water absorption - Wasseraufnahme Absorption d'eau - Водопоглощение	ISO 10545-3	≤ 0,5% (Massimo valore singolo - Maximum single value Maximaler Einzelwert - Valeur individuelle maximale Максимальное единичное значение 0,6%)	< 0,2%	
 Resistenza alla flessione media Average bending strength Mittlere Biegefestigkeit Résistance à la flexion moyenne Сопротивления среднему изгибу	ISO 10545-4	35 N/mm <sup>2</sup> min. (Valore singolo - Single value - Einzelwert Valeur individuelle - Единичное значение 32 N/mm <sup>2</sup> min.)	Conforme Compliant Konform Conforme Соответствует нормативам	
	EN 1339	-	T11*	
 Sforzo di rottura Breaking strength - Bruchlast Force de rupture - Разрушающее усилие	ISO 10545-4	Spessore / Thickness / Stärke - Épaisseur / Толщина ≥ 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 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	Richiesta - Required Notwendig - Requisite - Требуется	Resistente Resistant Wiederstandsfähig Resistent Прочный	
 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	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	ULA, UHA Resistente Resistant Wiederstandsfähig Resistent Прочный	
 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	UB min min. UB UB mind min UB UB мин	UA Resistente Resistant Wiederstandsfähig Resistent Прочный	

\* 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

VALIDO SOLO PER I PRODOTTI 1° SCELTA - VALID ONLY FOR ITEMS IN 1ST. CHOICE - NUR FÜR PRODUKTEN IN 1. SORTE GÜLTIG.

VALIDABLE SEULEMENT POUR LES PRODUITS EN 1ER CHOIX - ДЕЙСТВИТЕЛЬНО ТОЛЬКО ДЛЯ ПРОДУКЦИИ ПЕРВОГО СОРТА.

La conformità ad altre norme qui non espressamente citate può essere fornita su richiesta. - On request we can certify conformity with standards that are not mentioned hereby. - Die Erfüllung der Anforderungen anderer Normen, die hier nicht erwähnt worden sind, können wir Ihnen auf Anfrage zur Verfügung stellen. - La conformité aux autres normes, non citées, ci-dessus peut être fournie sur demande. - Соответствие другим, не указанным в данной таблице, нормам может быть сообщено по требованию.

Gli elementi di corredo alla serie, esclusi quelli usati per rivestimento di scale, non rispondono alla normativa ISO EN 14411. - The special trims for the series, apart from those used for stair coverings, do not comply with the ISO EN 14411 standard. - Die Formteile der Serie, ausgenommen diejenigen für die Verkleidung von Treppen, entsprechen der Norm ISO EN 14411 nicht. - Les pièces coordonnées aux séries ne sont pas conformes à la norme ISO EN 14411, à l'exception de celles qui sont utilisées pour le revêtement des marches. - Входящие в серию элементы не соответствуют нормативу ISO EN 14411, за исключением элементов, используемых для облицовки лестниц.

Valori medi riferiti alla nostra produzione, secondo test effettuati su superficie naturale se non esplicitamente indicati. - Average values refer to tests which have been made on the unpolished surface if not otherwise specifically indicated. - Die Mittelwerte beziehen sich auf Prüfungen, die für das Ausführungen unpoliert, wenn nicht anders deutlich angegeben, durchgeführt worden sind. - Valeurs moyens référant à notre production, tests effectués sur base de surface naturel si non autrement spécifié. - При отсутствии других указаний, приведенные в отношении нашей продукции средние значения получены путем проведения испытаний плитки с натуральной поверхностью.

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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

REVERSO 60,4x90,6	A1fl-A1 (nessuna reazione*)	Esterno: R11	Esterno: A + B	DRY: > 0,40 WET: > 0,40
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\* Nessuna reazione - No reaction - Keine reaktion - Aucune réaction - Реакция отсутствует

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# eco<sup>+</sup>

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



High content of recycled material

Ceramiche Coem is member of the U.S. Green Building Council (USGBC), the American association charged with implementing and regulating the construction of sustainable buildings by way of LEED® certification (Leadership in Energy and Environmental Design). As a result of their technical and structural characteristics, many of our products can help buildings improve their LEED® ratings, and have been certified for this purpose by the independent body CERTIQUALITY. Our products comply with the LEED® requirements for high content of recyclable material.

The index of refraction to light intrinsic to the porcelain stoneware support guarantees maximum thermal insulation and an optimum energy performance. Easy to clean as well as hygienic, our products contribute to enhancing the quality and safety of areas within buildings.

The requirements of eco-sustainability do not interfere with the aesthetic quality of the porcelain stoneware support, which is consistently at the avant-garde of design and technological innovation.

SERIES	COLORS	LEED® additional points for recycled material content Credits: MR 4.1 and 4.2	Additional points for external product certification Credits: ID 1.1-1.4	Additional points for Solar Reflectance Index (values obtained by correlation) Credit: SS 7.1	Additional points for intrinsic technical features of the product Credits: ID 1.1-1.4	Additional points for Indigenous Raw Materials for projects realized within 500 miles from our production site Credit: MR 5.2	Additional points for not releasing Volatile Organic Compounds (VOC) Credit: EQ 4.2
REVERSO	AVORIO BEIGE GRIGIO NOCE	>30% pre_consumer 1 Point	1 Point	1 Point	1 Point	2 Points	1 Point

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