

## CARDOSO

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

TECHNICAL FEATURE	TEST METHOD	REQUIRED STANDARDS	CARDOSO
SIZES AND LOOK OF THE TILE	ISO 10545-2	Length and width $\pm 0,6\%/\pm 2.0$ mm Thickness $\pm 5\%/\pm 0.5$ mm Straightness of sides $\pm 0,5\%/\pm 1.5$ mm Rectangularity $\pm 0,5\%/\pm 2.0$ mm Surface flatness $\pm 0,5\%/\pm 2.0$ mm Surface quality: 95% of tiles with no defaults	Compliant Compliant Compliant Compliant Compliant
WATER ABSORPTION	ISO 10545-3	$\leq 0.5$ %	0,07 % (average values referred to the last production)
AVERAGE BENDING STRENGTH	ISO 10545-4	35 N/mm <sup>2</sup> min.	47,1 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

**Ragione Sociale: COEM S.p.A.**

**Sede Amministrativa:**

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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  
UNI EN ISO 14001:2004  
BS OHSAS 18001:2007



SISTEMI DI GESTIONE  
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COEFFICIENT OF FRICTION	B.C.R.A. METHOD (D.M. no. 236 of 14/06/1989 of Italian Republic)		Unpolished/Textured: DRY: > 0,40 WET: > 0,40
ANTISLIP PROPERTIES	DIN 51130		Unpolished: R10 Textured: R11
ANTISLIP PROPERTIES ON WET SURFACES	DIN 51097		Textured: A+B
DYNAMIC COEFFICIENT OF FRICTION	DCOF (ANSI A137- 1:2012)		Unpolished: WET: 0.56 Textured: WET: 0.59 Half polished: WET: 0.45

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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# 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	
CARDOSO	CORDA BEIGE GRIGIO CHIARO GRIGIO SCURO ANTRACITE	>30% pre_consumer 1 Point	1 Point	CORDA BEIGE GRIGIO CHIARO	1 Point	1 Point	2 Points	1 Point

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