

ALCHIMIA

EN 14411:2012 Annex G Group BIa UGL

TECHNICAL FEATURE	TEST METHOD	REQUIRED STANDARDS	ALCHIMIA
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	≤ 0.5 %	0,05 % (average values referred to the last production)
AVERAGE BENDING STRENGTH	ISO 10545-4	35 N/mm ² min.	44,1 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 DEEP ABRASION	ISO 10545-6	175 mm ³ max.	Compliant
FROST RESISTANCE	ISO 10545-12	Required	Compliant
CHEMICAL RESISTANCE (DOMESTIC USE AND SWIMMING POOL CHEMICALS)	ISO 10545-13	min. UB	Compliant

Ragione Sociale: COEM S.p.A.

Sede Amministrativa:

42014 Roteglia (RE) - Italy - Via Stradone Secchia, 32
tel. +39 0536 99.31.11 - fax +39 0536 99.32.48

Sede Legale - Uffici Commerciali:

41042 Fiorano Modenese (MO) - Italy - Via Cameazzo, 25
tel. +39 0536 99.35.11 - fax Comm. Italia +39 0536 99.35.88
fax Export Dpt. +39 0536 83.26.11

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

COEFFICIENT OF FRICTION	METHODE B.C.R.A. (D.M. de la République Italienne n°236 du 14/06/1989)		DRY: > 0,40 WET: > 0,40
DYNAMIC COEFFICIENT OF FRICTION	DCOF ANSI A137-1:2012 ANSI A326.3		Matte: WET: ≥ 0.42

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.

The series highlighted in red have been tested using the new DIN EN 16165:2021 and ANSI A326.3 methods.

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

Ceramica Fioranese is a member of the U.S. Green Building Council (USGBC), 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

Materials and resources – Declaration and optimisation of construction products

Ceramica Fioranese products can help improve LEEDR rating in terms of materials and resources.

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

Low-emission materials

Ceramica Fioranese products do not emit VOC (Volatile Organic Compounds).

REQUISITES	Credits
PRODUCTS THAT DO NOT CONTAIN VOC	1 point

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