

**FIO.BISCUIT**  
**EN 14411: 2012 Annex G Group Bla GL**  
**Decorations to be used only on walls**

TECHNICAL FEATURE	TEST METHOD	REQUIRED MINIMUM STANDARDS	FIO.BLOCK
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	Compliant
		Surface quality: 95% of tiles with no defaults	
WATER ABSORPTION	ISO 10545-3	$\leq 0.5$ %	Compliant
AVERAGE BENDING STRENGTH	ISO 10545-4	35/mm <sup>2</sup> min.	Compliant
BREAKING STRENGTH	ISO 10545-4	Thickness $\geq 7,5$ mm: 1300 N min.	Compliant
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	Compliant

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

**Sede Amministrativa:**

42014 Roteglia (RE) - Italy - Via Stradone Secchia, 32  
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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

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V2

Tiles with slight shade and aspect variation

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## PRODUCT COMPLIANT WITH LEED® 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 LEED® 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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