ENGLISH STONE

EN 14411:2012 Annex G Group Bla GL

TECHNICAL FEATURE	TEST METHOD	REQUIRED STANDARDS	ENGLISH STONE
SIZES AND LOOK OF THE TILE	ISO 10545-2	Length and width ±0,6%/±2.0mm Thickness ±5%/±0.5mm Straightness of sides 0,5%/±1.5mm Rectangularity ±0,5%/±2.0mm Surface flatness ±0,5%/±2.0mm Surface quality:95% of tiles with no defaults	Compliant Compliant Compliant Compliant 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.	44,3 N/mm^2 (average values referred to the last production)
BREAKING STRENGTH	ISO 10545-4	Thickness ≥ 7,5 mm: 1300 N min.	Compliant
RESISTANCE TO SURFACE ABRASION	ISO 10545-7	State the PEI rate and covered cycles.	Class 4 (2100 rotations)
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. UB	Compliant
STAIN RESISTANCE	ISO 10545-14	Min. class 3	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

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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 Metodo DIN EN 16165:2021 Annex B		Unpolished: R10 Outdoor: R11
ANTISLIP PROPERTIES ON WET SURFACES	DIN 51097 Metodo DIN EN 16165:2021 Annex A		Outdoor: A+B
DYNAMIC COEFFICIENT OF FRICTION	DCOF ANSI A137-1:2012 ANSI A326.3)		Unpolished: WET: ≥ 0.42 Outdoor: WET: ≥ 0.55

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.

(V4):
Tiles with random shade and aspect variation

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CERAMICHE coem

eco++
THE GREEN SOUL OF PORCELAIN STONEWARE

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

Ceramiche Coem 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 Ceramiche Coem 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.

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
Ceramiche Coem 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
Ceramiche Coem products do not emit VOC (Volatile Organic Compounds).

REQUISITES	Credits
PRODUCTS THAT DO NOT CONTAIN VOC	1 point

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ATTESTAZIONE DELLA PERCENTUALE DI RICICLATO

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DT 55

USGBC MEMBER

WE FEEL GREEN

High content of recycled material

SERIES	COLORS	LEED® additional points for recycled material content **Credits:** Building Product Disclosu and Optimization – Sourc Raw Materials
ENGLISH STONE	ANTHRACYTE GREIGE IVORY NATURAL GREY	> 40% pre_consumer 1 Point

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