

European
Ceramics

ETEREA RANGE

Product Name: ETEREA RANGE **VARIOUS COLOURS/FINISHES**

Product Identifier: Refer to tile name and product code on paperwork/packaging

Product Description: A glazed porcelain tile and a water absorption rate of less than 0.50%.

Country Of Origin: Italy

Building Code Obligations

Code Clauses:

B2 – Durability

B2.3.1

C3 – Fire affecting areas beyond the
source

D1 – Access routes

D1.3.3

E3 – Internal moisture

E3.3.2, 3.3.3, 3.3.4

G3 – Food preparation and prevention of
contamination

G3.3.2

G6 – Airborne and Impact sound

G6.3.1



Note – this building product is not subject to a warning/ban under section 26 of the Building Act 2004

Manufacturer Details:

European Ceramics Approved

BPIR COMPLIANT

Importer Details:

European Ceramic Tiles Ltd

Address: 7A Cowley Place, Rosedale, AKL 0632

NZBN: 9429037294571

Website: euroceramics.co.nz

Scope	Use
B2 Durability	See below suitability table
C3 Fire	The Building Code relating to fire ratings regulation & standards become mandatory from April 2013, establishing the list of products belonging to Classes A 'No Contribution to Fire' provided for in Decision 94/611/EC implementing Article 20 of Council Directive 89/106/EEC.
D1 Access Routes	Refer to slip resistance documentation for all Access routes classifications D1/AS1 for above range.
E3 Internal Moisture	Under E3 Tiles installed over a waterproof membrane using a nonporous grouting system, are an acceptable solution.
G3 Food Preparation & Prevention from Contamination	As an impervious and easy to clean surface, this range complies.
G6 Airborne & Impact Sound	If required, tiles can form part of an acoustic system to comply with IIC & STC in conjunction with an approved third-party system.

Suitability *	Residential	Light Commercial	Commercial
Indoor Floor	*	*	*
Indoor Walls	*	*	*
Outdoor Cladding	*	*	*
Frost Resistant	*	*	*
Swimming Pool Submerged	*	*	*
Swimming Pool Surround	*	*	*
Paving/External	*	*	*
Over Underfloor Heating	*	*	*
Kitchen wall	*	*	*
Within 1.5m of a Plumbing Fixture or Fitting	*	*	*

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Building Code References

B2 – Durability

Compliance with B2 Durability is about providing evidence that the product will meet the relevant durability life in the context of the environment in which it will be located.

The building code sets out the framework for establishing the relevant durability life of building elements based on a number of criteria. B2/AS1 provides a decision tree to establish the relevant durability for common building materials in different circumstances.

Having determined the durability life of the product, the next step is to determine if the product, when exposed to the environment, will continue to perform for the relevant period. A key tool which a product supplier can consider in claiming compliance is limiting the environment in which the product will be exposed to (e.g. a ferrous material used in an indoor environment will last longer than it would when exposed to salt spray — in this example it would be appropriate for the supplier to condition the compliance information to use only in indoor environments).

C3 – Fire affecting areas beyond the source

C3 Fire affecting areas beyond the fire source is primarily about ensuring that fire does not spread from a fire in the building (in both vertically and horizontally) and from an adjacent building.

The prime product attribute used is the fire resistance rating (FRR) methodology. In most cases a product is combined with other products to achieve a FRR (e.g. an external wall fire rating may be formed by the combination of the external cladding, thermal insulation and the internal lining).

C/AS1 and C/AS2 set out performance criteria for buildings and in particular the FRR requirements for various types of buildings and parts of buildings. Appendix C of C/AS2 sets out test methods for the building elements involved in spread of fire. Appendix B of C/AS2 sets out performance criteria for sprinkler systems while Appendix A sets out criteria for fire safety systems such as alarms and hydrants.

D1 – Access routes

For D1 access routes, in most cases product-related compliance for access routes is slip resistance for floors and the shapes/locations etc of handrails. The Acceptable Solution for access D1/AS1 and NZS 4121:2001 provide good information on compliance for products on access routes.

E3 – Internal Moisture

E3 Internal Moisture is about ensuring that moisture created within the building does not lead to mould or create damage to adjacent buildings or structural elements in the building in which it is installed.

Prevention of the creation of mould is a combination of temperature, insulation and ventilation. Prevention of water damaging other building elements is mainly about installation details (i.e. sealing joints) as well as impervious products. E3/AS1 provides some useful design details, albeit without much product material information.

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G3 – Food preparation and prevention of contamination

G3 Food preparation and prevention from contamination for a product (such as a kitchen bench) is mainly associated with being easily cleaned and impervious. G3/AS1 provides some general design details for food preparation areas but has no referenced product standards, although the document does state some acceptable materials used for surfaces. Compliance with G3/AS1 is not mandatory but provides a good benchmark for compliance.

G6 – Airborne and Impact Sound

For a product, G6 Airborne and impact sound is generally about systems which are designed to work together to achieve the necessary sound attenuation.

The code itself at G6.3.2 sets a quantifiable performance level: “The Sound Transmission Class of walls, floors and ceilings, shall be no less than 55” and G6.3.2 sets the impact insulation class of floors shall be no less than 55. The Acceptable Solution G6/AS1 sets out the transmission and impact insulation class of common wall systems. G6/VM1 sets out test methodologies where the details do not match those of G6/AS1.

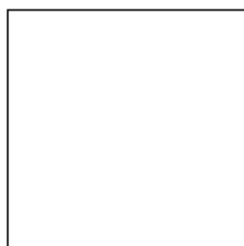
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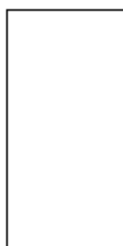
Technical Information

Formati e superfici / Sizes and surfaces / Formats et surfaces / Formate und Oberflächen

Spessore / Thickness / Epaisseur / Stärke: ± 9 mm



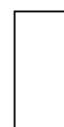
R - 122,2x122,2 cm . 48"x48"- R10
R - 122,2x122,2 cm . 48"x48"- R11 - OUTDOOR



R - 61x122,2 cm . 24"x48"- R10
R - 61x122,2 cm . 24"x48"- R10 - MILLERIGHE*
R - 61x122,2 cm . 24"x48"- R10 - RELIEVO*
R - 61x122,2 cm . 24"x48"- R10 - DEC. RIGATO
R - 61x122,2 cm . 24"x48"- R11 - OUTDOOR



R - 61x61 cm . 24"x24"- R10



R - 30,4x61 cm . 12"x24"- R10

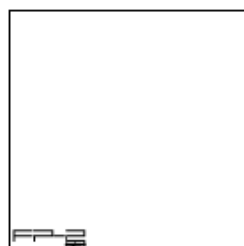


R - 80x160 cm . 32"x63"- R10

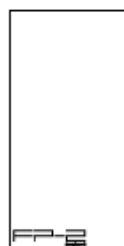


R - 90x90 cm . 36"x36"- R10

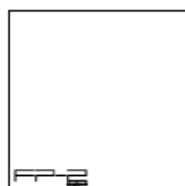
Spessore / Thickness / Epaisseur / Stärke: ± 20 mm FP2



R - 122x122 cm . 48"x48"- R11 - FP2



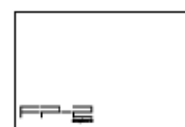
R - 61x122 cm . 24"x48"- R11 - FP2



R - 90x90 cm . 36"x36"- R11 - FP2



R - 61x61 cm . 24"x24"- R11 - FP2



R - 60x90 cm . 24"x36"- R11 - FP2

Formati / Sizes / Formats / Formate	R 122,2x122,2 cm 48"x48" ± 9 mm R10	R 122,2x122,2 cm 48"x48" ± 9 mm OUTDOOR R11	R 90x90 cm 36"x36" ± 9 mm R10	R 61x122,2 cm 24"x48" ± 9 mm R10	R 61x122,2 cm 24"x48" ± 9 mm MILLERIGHE R10	R 61x122,2 cm 24"x48" ± 9 mm RELIEVO R10	R 61x122,2 cm 24"x48" ± 9 mm DEC. RIGATO R10	R 61x122,2 cm 24"x48" ± 9 mm OUTDOOR R11	R 80x160 cm 32"x63" ± 9 mm R10	R 61x61 cm 24"x24" ± 9 mm R10	R 30,4x61 cm 12"x24" ± 9 mm R10	R 122x122 cm 48"x48" ± 20 mm FP2 R11	R 90x90 cm 36"x36" ± 20 mm FP2 R11	R 61x122 cm 24"x48" ± 20 mm FP2 R11	R 61x61 cm 24"x24" ± 20 mm FP2 R11	R 60x90 cm 24"x36" ± 20 mm FP2 R11
AVORIO	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
PERLA	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SABBIA	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NATURALE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*



R: Rettificato/ Rectified

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Tabella pesi ed imballi

Sizes weight and packaging / Mesures poids et emballages / Tabelle der Gewichte und Verpackungen

formati / sizes / tailles / formate		pz. x box	mq. x box	box x pal.	mq. x pal.	kg. x mq	kg. x box	kg. x pal.	
RETTIFICATI / RECTIFIED (R)									
122,2x122,2 cm 48"x48" R	9 mm	2	2,99	20	59,80	19,11	57,14	1183	124X143X60
90x90 cm 36"x36" R	9 mm	2	1,62	24	38,88	19,29	31,25	770	94X107X65
61x122,2 cm 24"x48" R	9 mm	2	1,49	36	53,64	18,8	28,01	1025	84X122X75
80x160 cm 32"x63" R	9 mm	2	2,56	16	40,96	19,3	49,41	860	91X171X60
61x61 cm 24"x24" R	9 mm	4	1,49	30	44,70	19,46	29,00	883	80X120X75
30,4x61 cm 12"x24" R	9 mm	7	1,30	40	52,00	19,46	25,30	1025	80X120X75
SPESSORATI / EXTRA THICK (R) 									
122x122 cm 48"x48" R	20 mm	1	1,49	18	26,82	43,81	65,28	1215	124X143X60
90x90 cm 36"x36" R	20 mm	1	0,81	22	17,82	43,91	35,57	811	94X107X65
61x122 cm 24"x48" R	20 mm	1	0,74	36	26,64	44	32,56	1188	94X120X75
61x61 cm 24"x24" R	20 mm	2	0,74	30	22,20	44,05	32,60	991	80X120X75
60x90 cm 24"x36" R	20 mm	1	0,54	45	24,30	43,5	23,49	1073	94X120X75
pezzi speciali / special pieces / pièces spéciales / formteile									
6,5x122,2 cm 2"x48" battiscopa rettificato	9 mm	10					12,5		

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Simbologia caratteristiche tecniche - grès porcellanato

Symboles technical characteristics - porcelain stoneware / Symboles des caracteristiques techniques - grès cérame / Symbole technischen eigenschaften - feinsteinzeug



	CARATTERISTICHE TECNICHE TECHNICAL CHARACTERISTICS CARACTERISTIQUES TECHNIQUES TECHNISCHE MERKMALE	NORMA DI RIFERIMENTO REFERENCE STANDARD NORME DE REFERENCE PRÜFMETHODE	VALORE RICHIESTO REQUIRED VALUE VALEUR REQUISE SOLLWERT	VALORE MEDIO TUSCANIA AV. TUSCANIA VALUE VALEUR MOYENNE TUSCANIA MITTLERER TUSCANIA-WERT
	DIMENSIONI DIMENSIONS DIMENSIONS ABMESSUNGEN	ISO 10545-2	CONFORME COMPLIANT CONFORME KONFORM	CONFORME COMPLIANT CONFORME KONFORM
	ASSORBIMENTO D'ACQUA WATER ABSORPTION ABSORPTION D'EAU WASSERAUFNAHME	ISO 10545-3	≤ 0,5 %	CONFORME COMPLIANT CONFORME KONFORM
	RESISTENZA A FLESSIONE MODULUS OF RUPTURE RESISTANCE A LA FLEXION BIEGEFESTIGKEIT	ISO 10545-4	MODULUS OF RUPTURE R ≥ 35 N/MM ² BREAKING STRENGTH S ≥ 1300 N	CONFORME COMPLIANT CONFORME KONFORM
	RESISTENZA ALL'ABRASIONE ABRASION RESISTANCE RESISTANCE A L'ABRASION ABRIEBBESTÄNDIGKEIT	ISO 10545-7	PEI SOLO PER PIASTRELLE SMALTATE ONLY FOR GLAZED TILES	
	DILATAZIONE TERMICA LINEARE LINEAR THERMAL EXPANSION DILATATION THERMIQUE LINEAIRE LINEARE WÄRMEAUSSDEHNUNG	ISO 10545-8	≤ 9x10 ⁻⁶ °C ⁻¹	CONFORME COMPLIANT CONFORME KONFORM
	RESISTENZA AGLI SBALZI TERMICI THERMAL SHOCK RESISTANCE RESISTANCE AUX ECARTS DE TEMPERATURE TEMPERATURWECHSELBESTÄNDIGKEIT	ISO 10545-9	RESISTENTE RESISTANT RESISTANT BESTÄNDIG	RESISTENTE RESISTANT RESISTANT BESTÄNDIG
	RESISTENZA AL GELO FROST RESISTANCE RESISTANCE AU GEL FROSTBESTÄNDIGKEIT	ISO 10545-12	RESISTENTE RESISTANT RESISTANT BESTÄNDIG	RESISTENTE RESISTANT RESISTANT BESTÄNDIG
	RESISTENZA AGLI ACIDI ED ALLE BASI ACID AND ALKALI RESISTANCE RESISTANCE AUX ACIDES ET AUX BASES SÄURE- UND LAUGENBESTÄNDIGKEIT	ISO 10545-13	CLASS GB MIN.	LOW CONCENTRATION GLA HIGH CONCENTRATION GHA
	RESISTENZA ALL'ATTACCO CHIMICO CHEMICAL RESISTANCE RESISTANCE A L'ATTAQUE CHIMIQUE CHEMISCHE BESTÄNDIGKEIT	ISO 10545-13	CLASS GB MIN.	GA
	RESISTENZA ALLE MACCHIE STAIN RESISTANCE RESISTANCE AU TACHES FLECKENBESTÄNDIGKEIT	ISO 10545-14	CLASS 3 MIN.	5
	COEFFICIENTE DI ATTRITO (SCIIVOLosità) FRICTION COEFFICIENT (SLIPPERINESS) COEFFICIENT DE FRICTION (GLISSEMENT) REIBUNGSKOEFFIZIENT (RUTSCHIGKEIT)	BCR - ITALIA DM DEL 14-06-89 DRY RUBBER 0,62 WET RUBBER 0,51 DRY LEATHER 0,62 DRY NEOLYTE 0,69 WET NEOLYTE 0,62	ASTM - USA ASTM C1028	DIN - GERMANIA DIN 51130 R10 - R11 OUTDOOR/FP2 ZH 1/571

THE PRODUCTS HAVING AN ABSORPTION ≤ 0,5% ARE CLASSIFIED ACCORDING THE UNI CEN STANDARDS "FULLY VITRIFIED TILES" AND ACCORDING TO THE ASTM STANDARDS "IMPERVIOUS TILES"

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Fire Resistance

The building code relating to fire rating regulations and standards requires specifiers to provide documentation such as fire certificates for materials used in construction.

Ceramics are in itself a fire-resistant material, mostly being manufactured at over 1200 degrees Celsius. Testing and providing such certification are therefore not relevant to the Ceramics industry.

Ceramic and Porcelain tiles are an inert material, and therefore non-combustible. They do not release fumes or toxic gases in the event of a fire. Porcelain tiles contain no sealants, waxes or other chemicals that could release VOC's into the environment. Ceramics do not pose a risk of spreading or intensifying a fire therefore there is no testing required as they do not contribute to a fire.

EXTRAORDINARY EFFECTS DURING USE PHASE:

Fire: According to /EN 13501-1:2007+A1:2009/, ceramic tiles can be classified as A1 class of fire resistance rating, because they do not contribute to fire.

It has been demonstrated that the coating of the ceramic tiles, in case of fire, reduces heat on them and thus the risk of collapse.

Water: Ceramic tiles cannot react with water because they are an insoluble material.

For further information on the fire performance characteristics of ceramic/porcelain tiles or natural stone, please refer to the Technical Documents section on euroceramics.co.nz

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