



European
Ceramics

EUREKA RANGE

Product Name: **EUREKA – VARIOUS COLOURS/FINISHES/SIZES/THICKNESS**

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	Industrial
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.

Technical Information

EUREKA

Dry - Pressed Ceramic Tiles ISO 13006 Annex G - UNI EN 14411 Annex G - Bla GL



CARATTERISTICHE TECNICHE

Technical Features - Caracteristiques Techniques - Technische Eigenschaften
Technische Eigenschaften - Caracteristicas Tecnicas - Технические Характеристики

NORMA

Standard - Norme
Norm - Norma - Нормы

VALORI

Value - Valeur
Vorgabe - Valor - Средние

	ASSORBIMENTO D'ACQUA (VALORE MEDIO IN %) Water absorption (Average value expressed in %) - Absorption d'eau (Valeur moyenne en %) Wasseraufnahme (Durchschnittswert in %) - Absorción de agua (Valor medio en %) - Поглощение воды	UNI EN ISO 10545/3 ASTM C373	CONFORME COMPLIANT																							
	RESISTENZA ALLA FLESSIONE Modulus of rupture - Resistance à la flexion - Biegefestigkeit Resistencia a la flexion - Прочность на изгиб	UNI EN ISO 10545/4	≥ 45 N/mm²																							
	FORZA DI ROTTURA Breaking strength - Résistance à la rupture - Bruchlast Resistencia a la rotura - Разрывное усилие	UNI EN ISO 10545/4 ASTM C648	≥ 2000 N 400 Lbs																							
	RESISTENZA AL GELO Frost resistance - Résistance au gel - Frostbeständigkeit Resistencia a las heladas - Морозостойкость	UNI EN ISO 10545/12 ASTM C1026	CONFORME UNAFFECTED																							
	RESISTENZA CHIMICA AD ALTE E BASSE CONCENTRAZIONI DI ACIDI E BASI Chemical resistance to high and low acid and basic concentrations Résistance chimique aux hautes et basses concentrations d'acides et de bases Chemikalienfestigkeit bei hohen und niedrigen Konzentrationen von Säuren und Basen Resistencia química con concentraciones altas y bajas de ácidos y bases Химическая стойкость к высоким и низким концентрациям кислот и щелочей	UNI EN ISO 10545/13 ASTM C-650	A - LA - HA UNAFFECTED																							
	RESISTENZA ALLE MACCHIE Stain resistance - Résistance aux taches - Fleckenbeständigkeit Resistencia a las manchas - Стойкость к образованию пятен	UNI EN ISO 10545/14	5																							
	COEFFICIENTE DI ATTRITO Slip resistance Coefficient de glissement Rutschfestigkeit Barfußbereich Coeficiente de atrito medio Коэффициент трения	<table><tr><th></th><th>NAT.</th><th>TECNICA</th></tr><tr><td>DIN EN 16165 Annex B</td><td>R10</td><td>R11</td></tr><tr><td>DIN EN 16165 Annex A</td><td>B (A+B)</td><td>C (A+B+C)</td></tr><tr><td>ANSI A326.3:2017 DCOF</td><td>WET ≥ 0,50</td><td>WET ≥ 0,65</td></tr><tr><td>B.C.R.A. D.M. N. 236 14/6/89</td><td>> 0,40</td><td>> 0,40</td></tr><tr><td>AS 4586-2013 Anexo A</td><td>P3</td><td>P4</td></tr><tr><td>BS 7976-2: 2002 BSEN13036-4:2011 Pendulum testers</td><td>> 36 Low Slip potential</td><td>> 36 Low Slip potential</td></tr><tr><td>UNE 41901:2017 EX DB SUA (actual)</td><td>2</td><td>3</td></tr></table>		NAT.	TECNICA	DIN EN 16165 Annex B	R10	R11	DIN EN 16165 Annex A	B (A+B)	C (A+B+C)	ANSI A326.3:2017 DCOF	WET ≥ 0,50	WET ≥ 0,65	B.C.R.A. D.M. N. 236 14/6/89	> 0,40	> 0,40	AS 4586-2013 Anexo A	P3	P4	BS 7976-2: 2002 BSEN13036-4:2011 Pendulum testers	> 36 Low Slip potential	> 36 Low Slip potential	UNE 41901:2017 EX DB SUA (actual)	2	3
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Per maggiori chiarimenti sui dati tecnici e sulla garanzia consultare il catalogo generale in vigore. - For further information on technical specifications, please consult our up-dated general catalogue. - Pour toutes informations supplémentaires sur les données techniques et sur les garanties, veuillez consulter le catalogue général en vigueur. - Für weitere Informationen über technische Daten und Garantie beziehen sie sich bitte auf den aktuellen Gesamtkatalog. - Para ulteriores informaciones sobre los datos técnicos y la garantía, vease el catalogo general en vigor. - Более подробную информацию о технических данных и гарантии смотрите в действующем сводном катал.



PRODUCT CERTIFIED
FOR LOW CHEMICAL
EMISSIONS
UL/CDM/ICC
14. 2018



CE MARK



12%



V3 High

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Formato Size Format Format Төрөл Формат cm	Spessore Thickness Épaisseur Stärke Espesor Толщина mm	Pz. x Mq. Pieces x Sqm Pcs / M² Stk. x Qm Pzs x Mc. Шт x Кв.М.	Pz. x Scat. Pieces x Box Pcs / Bte Stk. x Krt. Pzs x Caja Шт x Кор.	Mq. x Scat. Sqm x Box M² / Bte Qm x Krt. Mc. x Caja Кв.М. x Кор.	Peso x Scat. Weight x Box Poids / Bte Gewicht x Krt. Peso x Caja Вес x Кор. Kg	Scat. x Pal. Boxes x Pal. Bte / Pal. Krt. x Pal. Cajas x Pal. Кор. x Подд.	Mq. x Pal. Sqm x Pal. M² / Pal. Qm x Pal. Mc. x Pal. Кв.М x Подд.	Peso x Pal. Weight x Pal. Poids / Pal. Gewicht x Pal. Peso x Pal. Вес x Подд. Kg
60x120 Naturale - Tecnica	9,5	1,39	2	1,440	31,68	36	51,84	1140
80x80 Naturale	9,5	1,56	2	1,280	28,16	42	53,76	1183
60x60 Naturale	9,5	2,78	3	1,080	23,76	40	43,20	950
30x60 Naturale	9,5	5,56	6	1,080	23,76	48	51,84	1140
30x30 Naturale	9,5	11,11	12	1,080	23,76	40	43,20	950
7,5x30 Naturale	9,5	44,44	36	0,810	17,82	56	45,36	998
7,5x15 Naturale	9,5	88,88	72	0,810	17,82	56	45,36	998
30x60 Intarsio - Intarsio 3D Nat.	9,5	5,56	6	1,080	23,76	48	51,84	1140
30x30 Tartan Naturale	9,5	11,11	12	1,080	23,76	40	43,20	950
30x30 Mosaico Esagona Naturale	9,5	11,11	5	0,450	8,73	60	27,00	524
30x30 Mosaico 5X5 Naturale	9,5	11,11	5	0,450	8,73	60	27,00	524
22x19,3 Esagona Naturale	9,5	23,55	16	0,512	11,26	72	36,86	811
22x19,3 Esagona Tartan Naturale	9,5	23,55	16	0,512	11,26	72	36,86	811
7,5x30 Losanga Naturale	9,5	44,44	26	0,510	11,22	64	32,64	718
7,5x30 Losanga Tartan Naturale	9,5	44,44	26	0,510	11,22	64	32,64	718

PROVENZA



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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