

European
Ceramics

STONES & MORE RANGE

Product Name: **CALACATTA - VARIOUS COLOUR/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.

<i>Suitability *</i>	<i>Residential</i>	<i>Light Commercial</i>	<i>Commercial</i>
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



DECLARATION OF PERFORMANCE

No. FLORIM 001

(EN) - Rev. 1

1. Unique identification code of the product type
Dry-pressed ceramic tiles, with water absorption $E_b \leq 0,5\%$
2. Intended use(s)
For internal and external walls and floorings
3. Name or registered trade mark, and contact address of the manufacturer
**FLORIM CERAMICHE S.p.A. SB,
Via Canaletto, 24 - 41042 Fiorano Modenese (MO) – Italia**
4. System(s) of assessment and verification of constancy of performance (AVCP)
System 4
5. Name and identification number of notified laboratory, if relevant – **Not applicable**
Task(s) carried out
AVCP system
Document issued and date of issue

6. Declared performances

Essential characteristics	Performance	Harmonised technical specification
Reaction to fire	A1_{FU}A1	Based on the decision 96/603/CE and its changes EN 14411:2012
Release of dangerous substance, for:		
- Cadmium	NPD	
- Lead	NPD	
Breaking strength	> 1300 N	
Slipperiness	See table attached	
Tactility	NPD	
Bond strength/adhesion, for:		
Cementitious adhesive, type C2	NPD	
Thermal shock resistance	Pass	
Durability for:		
- internal use:	Pass	
- external use: freeze-thaw resistance	Pass	

The performance of the product identified in point 1 is in conformity with the declared performances in point 6. This declaration of performance is issued in accordance with regulation (EU) No. 305/2011, under the sole responsibility of the manufacturer identified in point 3.

This declaration is available on the website <https://www.florim.com/en/declarations-of-performance-ce/>.

Signed for and on behalf of the manufacturer by:

Bruni Donato – Amministratore Delegato

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FLORIM - Contemporary Design

Serie / Series / Kolekcja / Serija	BCRA DM 236/1989 (ITA)	DIN EN 16165 Annex B (DE)	UNE EN 16165 Annex C (ESP)
ANTIQUE MARBLE lucido	>0,4	N.P.D.	N.P.D.
ANTIQUE MARBLE matte	>0,4	N.P.D.	N.P.D.
ANTIQUE MARBLE STRUTTURATO	N.P.D.	R10	N.P.D.
ARTIFACT grip	>0,4	R12	N.P.D.
ARTIFACT naturale	>0,4	R10	N.P.D.
ELEMENTAL STONE grip	>0,4	R11	N.P.D.
ELEMENTAL STONE lucido	N.P.D.	N.P.D.	N.P.D.
ELEMENTAL STONE matte	>0,4	R10	N.P.D.
EXALT lucido	>0,4	N.P.D.	N.P.D.
EXALT naturale	>0,4	N.P.D.	N.P.D.
HI WOOD lucido	>0,4	N.P.D.	N.P.D.
HI WOOD naturale	>0,4	R10	N.P.D.
MAPS bocciardato	>0,4	R11	N.P.D.
MAPS bocciardato 2 cm	>0,4	R11	N.P.D.
MAPS matte	>0,4	R10	N.P.D.
MATCH UP comfort	>0,4	R10	N.P.D.
MATCH UP grip	>0,4	R11	N.P.D.
MATCH UP grip 20 mm	>0,4	R11	N.P.D.
MATERIAL STONES bocciardato 20 mm	>0,4	R11	N.P.D.
MATERIAL STONES grip	>0,4	R11	N.P.D.
MATERIAL STONES matte	N.P.D.	R9	N.P.D.
NATURAL STONE bocciardato 20 mm	>0,4	R11	N.P.D.
NATURAL STONE grip	>0,4	R11	N.P.D.
NATURAL STONE matte	>0,4	R10	Classe 2
ONIX OF CERIM lucido	>0,4	N.P.D.	N.P.D.
ONIX OF CERIM matte	>0,4	N.P.D.	N.P.D.
STONE LIFE GRIP	>0,4	R11	N.P.D.
STONE LIFE matte	>0,4	R10	N.P.D.
TIMELESS grip	>0,4	R11	N.P.D.
TIMELESS lucido	>0,4	N.P.D.	N.P.D.
TIMELESS matte	>0,4	R9	N.P.D.
WOODSLATE LIFE 20 mm strutturato	>0,4	R11	N.P.D.
WOODSLATE LIFE matte	>0,4	R10	N.P.D.
WOODSLATE LIFE strutturato	>0,4	R11	N.P.D.

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9 mm / FINE PORCELAIN STONEWARE

E.N. 14411-ISO 13006 . Appendix G. Group Bla. UGL		Test method	Reference value	Declared value
	Dynamic coefficient of friction (ANSI A 326.3 2021)	DCOF	>0,42 wet	>0,42 wet SMOOTH
	Dynamic coefficient of friction (ANSI A 326.3 2021)	DCOF	>0,42 wet	> 0,42 wet NATURALE
	Slip resistance with shoes	DIN EN 16165- ANNEX B	-	R9 SMOOTH
	Slip resistance with shoes	DIN EN 16165- ANNEX B	-	R9 MATTE
	Length and width: admitted deviation, in %, of the average size of each tile from the production dimensions	ISO 10545 2	Squadrato ISO 13006 ±0,3% (±1 mm)	±0,15%
	Maximum right angle deviation, in %, in relation to the corresponding production dimensions	ISO 10545 2	Squadrato ISO 13006 ±0,3% (±1,5 mm)	±0,2%
	Flatness (centre curvature / edge curvature / warpage)	ISO 10545 2	Squadrato ISO 13006 ±0,4% (±1,8 mm)	±0,35%
	Maximum straightness deviation, in %, in relation to the corresponding production dimensions	ISO 10545 2	Squadrato ISO 13006 ±0,3% (±0,8 mm)	±0,1%
	Admitted deviation, in %, of the average thickness of each tile from the production dimensions	ISO 10545 2	±5% (±0,5 mm)	±5%
	Surface quality	ISO 10545 2	Il 95% min delle piastrelle deve essere esente da difetti visibili / At least 95% of the tiles must be free from visible flaws / 95% min des carreaux ne doivent présenter aucun défaut visible / Mindestens 95% der Fliesen müssen frei von sichtbaren / min. el 95% de las baldosas tiene que estar exento de defectos visibles	CONFORME / CONFORMING / CONFORME / KONFORM / CONFORME / COOTBETCTBYET
	Amount of water absorbed, in percentage	ISO 10545 3	E≤0,5%	average value 0,08%
	Bending strength in N/mm2	ISO 10545 4	>35 N/mm2	average value 50 N/mm2
	Breaking strength in N (thickness >= 7,5 mm)	ISO 10545 4	≥1300 Newton	average value 2200 N
	Resistance to deep abrasion of unglazed tiles	ISO 10545 6	<175 mm3	average value 140

RESISTE / RESISTANT /

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	Thermal shock resistance	ISO 10545 9	-	RÉSISTE / ERFÜLLT / RESISTE / УСТОЙЧИВ
	Frost resistance	ISO 10545 12	Richiesta / Required / Requisite / Gefordert / Requenda	RÉSISTE / RESISTANT / RÉSISTE / ERFÜLLT / RESISTE / УСТОЙЧИВ
	Resistance to low concentrations of acids and alkali	ISO 10545 13	Come dichiarato dal produttore / See manufacturer's declaration / Selon déclaration du producteur / Entsprechend der Herstellerangaben / Tal como declara el fabricante	ULB SMOOTH
	Resistance to low concentrations of acids and alkali	ISO 10545 13	Come dichiarato dal produttore / See manufacturer's declaration / Selon déclaration du producteur / Entsprechend der Herstellerangaben / Tal como declara el fabricante	ULA NATURALE
	Resistance to low concentrations of acids and alkali	ISO 10545 13	Come dichiarato dal produttore / See manufacturer's declaration / Selon déclaration du producteur / Entsprechend der Herstellerangaben / Tal como declara el fabricante	ULB GLOSSY
	Resistance to domestic chemicals and additives for swimming pools	ISO 10545 13	UB minimo / UB minimum / UB minimum / UB mindestens / UB minimo	UA
	Resistance to staining	ISO 10545 14	-	Cl. 4-5 NATURALE
	Resistance to staining	ISO 10545 14	-	C. 4 GLOSSY
	Resistance to staining	ISO 10545 14	-	Cl. 4 SMOOTH

Note:

For optimal installation results, Florim recommends maintaining a joint of 2 mm 1/12" for single format installations and 3 mm 1/8" to combine mixed formats.

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Sede Legale: Via Canaletto 24, 41042 Fiorano Modenese.
Reg. Imprese di Modena Nr. 01265320364.
Capitale Sociale i.v. Euro 50.000.000 P/ICF 01265320364

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GRES FINE PORCELLANATO

FINE PORCELAIN STONEWARE/GRES CERAME FIN/FEINSTEINZEUG-KOLLEKTIONEN/GRES PORCELANICO FINO
SQUADRATO - SQUARED - EQUARRI - REKTIFIZIERT - ESCUADRADO

6 mm 1/4" ↓				30x30 11 4/5" x 11 4/5" mosaico tessere 7,5x7,5	30x30 11 4/5" x 11 4/5" muretto tessere 7,5x15	4,6x80 1 4/5" x 3 1/2" battiscopa	
	COLOR		SURFACE				
	STONE MARFIL	GLOSSY		756814	756822	756806	
		SMOOTH		747827	747842	747903	
	STONE CALACATTA	GLOSSY		752811	752812	752813	
		SMOOTH		747828	747843	747904	
STONES&MORE 2.0		GLOSSY		752808	752809	752810	
			GLOSSY		756815	756823	756807
			STONE CALACATTA BLACK	GLOSSY		756813	756821
			GLOSSY		756816	756824	756808

PEZZI SPECIALI/SPECIAL TRIMS
PIÈCES SPÉCIALES/FORMSTÜCKE
PIEZAS ESPECIALES

STONES&MORE 2.0

magnUm

CE

FLORIM Ceramiche S.p.A SB
Via Canaletto, 24 - 41042 Fiorano Modenese (MO) - Italia
05
FLORIM 001
EN 14411:2012
Dry-pressed ceramic tiles, with water absorption
E_s ≤ 0,5 %, for internal and external walls and floorings

CE

FLORIM Ceramiche S.p.A SB
Via Canaletto, 24 - 41042 Fiorano Modenese (MO) - Italia
09
FLORIM 003
EN 14411:2012
Dry-pressed ceramic tiles, with water absorption
E_s ≤ 0,5 %, for internal and external walls and floorings



TÜV SÜD

ISO 9001
ISO 14001
ISO 45001

Sistema di gestione della Qualità:
Certificato n°. 50 100 1271
Sistema di gestione dell'Ambiente:
Certificato n°. 50 100 100 74
Sistema di gestione della Salute e Sicurezza dei lavoratori:
Certificato n°. 50 100 13825
Sistema di gestione dell'Energia:
Certificato n°. 50 100 13545



GRADO DI VARIAZIONE CROMATICA - DEGREE OF COLOUR CHANGE - DEGRE DE VARIATION CHROMATIQUE - GRAD DER FARBABWEICHUNG - GRADO DE VARIACIÓN CROMÁTICA

V1 LOW THE LEAST AMOUNT OF SHADE AND TEXTURE VARIATION ATTAINABLE IN NATURALLY FIRED CLAY PRODUCTS.	V2 MODERATE LIGHT TO MODERATE SHADE AND TEXTURE VARIATION WITHIN EACH CARTON.	V3 HIGH HIGH SHADE AND TEXTURE VARIATION WITHIN EACH CARTON.	V4 RANDOM VERY HIGH SHADE AND TEXTURE VARIATION WITHIN EACH CARTON.
Prodotto Monocromatico Produit Monochromatique Einfarbiges Produkt Producto Monocromático	Prodotto con leggera variazione cromatica Produit à légère variation chromatique Produkt mit leichter Farbbauance Producto con una pequeña variación cromática	Prodotto con marcata variazione cromatica Produit à variation chromatique accentuée Produkt mit ausgeprägter Farbbauance Producto con evidente variación cromática	Prodotto con forte variazione cromatica Produit à forte variation chromatique Produkt mit starker Farbbauance Producto con fuerte variación cromática
	STONE ZECEVO/AMANI BRONZE	STONE MARFIL/STONE CALACATTA STONE SAHARA NOIR/STONE CALACATTA BLACK	STONE BURL WHITE

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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 physio-characteristics of fire resistance for tiles please refer to the Technical Documents section on euroceramics.co.nz

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