

European
Ceramics

OMNIA RANGE

Product Name: **OMNIA - 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.

Technical Information

CARATTERISTICHE TECNICHE OMNIA MATT / SAFE Technical characteristics / Caractéristiques techniques Características técnicas / Technische Eigenschaften / Технические характеристики		VALORI TIPICI Typical values Valeurs typiques Typische Werte Характерные значения	VALORI LIMITE PREVISTI Expected limit values Valeurs limites prévues Erwartete Grenzwerte Предусмотренные предельные значения
Classificazione secondo NORMA EN 14411 Bla annex G, UGL Norm/Classment/norma/Standard SPESORE mm. 9,5 - thickness 0.37" Epaisseur / Espesor / Stärke / Толщина			
 DIMENSIONI Sizes / dimensions / dimensions / Abmessungen / Технические характеристики	UNI EN ISO 10545-02	CONFORME	REQUISITI INDICATI NELLA NORMA Requirements of standard / Requisitos indicados en la norma / Exigences visées par la norme-Anforderungen in der Norm angeben / Требования стандарта UNI EN 14411 G
 ASSORBIMENTO D'ACQUA Water Absorption / Absorción de agua / Absorption d'eau / Wasseraufnahme / Водопоглощение	UNI EN ISO 10545-03	Matt <= 0,5% Safe <= 0,5%	<= 0,5% UNI EN 14411 G
 FORZA DI ROTTURA Breaking strength / Carga de rotura / Résistance aux chocs / Bruchlast / Разрушающее усилие	UNI EN ISO 10545-04	Matt > 1300 N Safe > 1300 N	1300 N min UNI EN 14411 G
 RESISTENZA ALLA FLESSIONE Modulus of rupture / Resistencia a la flexión / Résistance à la flexion / Biegefestigkeit / Стойкость на изгиб	UNI EN ISO 10545-04	Matt > 35 N/mm ² Safe > 35 N/mm ²	35 N/mm ² min UNI EN 14411 G
 RESISTENZA ALL'URTO Shock resistance / Resistencia al choque / Résistance aux chocs / Stoßfestigkeit / Сопротивление удару	UNI EN ISO 10545-05	COEFFICIENTE DI RESTITUZIONE Restitution coefficient / Coefficient de restitution / Restitutionskoeffizient / Коэффициент возврата Matt e > 0,86 Safe e > 0,86	METODO DI PROVA DISPONIBILE Available test method / Método de prueba disponible / Méthode d'essai disponible / Verfügbare Testmethode / Доступная методика испытаний UNI EN 14411 G
 RESISTENZA ALL'ABRASIONE PROFONDA Resistance to deep abrasion / Resistencia a la abrasión profunda / Résistance à l'abrasion profonde / Tiefenabriebfestigkeit / Стойкость к глубокому истиранию	UNI EN ISO 10545-06	Matt <= 175 mm ³ Safe <= 175 mm ³	175 mm ³ max UNI EN 14411 G
 DILATAZIONE TERMICA LINEARE Linear thermal expansion / Dilatación térmica lineal Dilatation thermique linéaire / Thermische Dilatation Линейное тепловое расширение	UNI EN ISO 10545-08	Matt 6,8 Safe 6,8 10-6 °C-1	METODO DI PROVA DISPONIBILE Available test method / Método de prueba disponible / Méthode d'essai disponible / Verfügbare Testmethode / Доступная методика испытаний UNI EN 14411 G
 RESISTENZA AGLI SBALZI TERMICI Thermal shock resistance / Resistencia al choque térmico Résistance aux chocs thermiques / Temperaturwechselbe-ständigkeit Стойкость к тепловым перепадам	UNI EN ISO 10545-09	Resistant / Resiste / Résistant / Beständig / Стойкая Matt RESISTE Safe RESISTE	METODO DI PROVA DISPONIBILE Available test method / Método de prueba disponible / Méthode d'essai disponible / Verfügbare Testmethode / Доступная методика испытаний UNI EN 14411 G
 DILATAZIONE DOVUTA ALL'UMIDITÀ Determination of moisture expansion / Dilación causada por la humedad / Détermi- nation de la dilatation à l'humidité / Ausdehnung auf Grund von Feuchtigkeit / Расширение под воздействием влажности	UNI EN ISO 10545-10	Matt 0,1% Safe 0,1%	METODO DI PROVA DISPONIBILE Available test method / Método de prueba disponible / Méthode d'essai disponible / Verfügbare Testmethode / Доступная методика испытаний UNI EN 14411 G

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	RESISTENZA AL GELO Frost resistance / Resistencia al hielo / Résistance au gel / Frostbeständigkeit / Морозостойкость	UNI EN ISO 10545-12	Resistant / Resiste / Résistant / Beständig / Стойкая	Matt Safe	RESISTE RESISTE	RICHIESTA Required / Solicitad / Requite / Gefordert / Требуется UNI EN 14411 G
	RESISTENZA ALL'ATTACCO CHIMICO Chemical resistance / Resistencia al ataque químico / Résistance chimique / Chemische Beständigkeit / Стойкость к химическому воздействию	UNI EN ISO 10545-13		Matt Safe	A A	B Min UNI EN 14411 G
	RESISTENZA ALLE MACCHIE Stain resistance / Resistencia a las manchas / Résistance aux taches / Fleckenbeständigkeit / Стойкость к загрязнению	UNI EN ISO 10545-14	Class / Classe / Catégorie / Klasse / Класс	Matt Safe	Classe 5 Classe 4	Classe 3 min Class 3 min / Classe 3 min / Catégorie 3 min / Klasse 3 min / Класс 3 мин UNI EN 14411 G
	RESISTENZA ALLO SCIVOLAMENTO Slip resistance / Resistencia al deslizamiento / Résistance au glissement / Rutschfestigkeit / Сопротивление скольжению	DIN EN 16165:2021 Annex B		Matt Safe	R10 R11	Da R9 a R13 From R9 to R13 / De R9 a R13 / De R9 à 13 / Von R9 auf R13 / От R9 до R13 BGR 181
	RESISTENZA ALLO SCIVOLAMENTO A PIEDI NUDI Slip resistance barefoot / Resistencia al deslizamiento con pies descalzos / Résistance au glissement pieds nus / Rutschfestigkeit fuer den Barfußbereich / Сопротивление скольжению при хождении босиком	DIN EN 16165:2021 Annex A		Matt Safe	A A+B+C	Da A a C From A to C / De A a C / De A à C / Von A auf C / От A до C GUV 26.17
	DETERMINAZIONE COEFFICIENTE ATTRITO STATICO Static coefficient of friction C.O.F. / Determinación del coeficiente de fricción estática / Calcul du coefficient de frottement statique sec mouillé / Bestimmung des statischen Reibungskoeffizienten Trockenreibung Nassreibung / Определение коэффициента статического трения сухая поверхность мокрая поверхность	ASTM C 1028		Matt Safe	DRY 0,72 WET 0,60 DRY 0,85 WET 0,65	
	DETERMINAZIONE COEFFICIENTE ATTRITO DINAMICO Dynamic coefficient of friction D.C.O.F. / Determinación del coeficiente de fricción dinámica / Calcul du coefficient de frottement dynamique sec mouillé / Bestimmung des statischen Reibungskoeffizienten Trockenreibung Nassreibung / Определение коэффициента динамического трения сухая поверхность мокрая поверхность	ANSI A326.3		Matt Safe	DRY > - WET > 0,77 DRY > - WET > 0,86	
	STONALIZZAZIONE Shade Variation / Dénuancement / Variedad de tonalidades / Farbspiel / Разнотонность			V3		V1 Uniforme / Uniform / Uniforme / Uniforme / Gleichmäßig / Однородная V2 Leggera / Low / Légère / Ligera / Leicht / Легкая V3 Media / Medium / Moyenne / Media / Mittel / Средняя V4 Alta / High / Haute / Alta / Hoch / Высокая

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120x280 48"x111"
6 mm
Rett., Rect



120x120 48"x48"
9,5 mm
Rett., Rect



60x120 24"x48"
9,5 mm
Rett., Rect



60x60 24"x24"
9,5 mm
Rett., Rect



30x60 12"x24"
9,5 mm
Rett., Rect

	120x280 48"x111" 6 mm		120x120 48"x48" 9,5 mm		60x120 24"x48" 9,5 mm			60x60 24"x24" 9,5 mm			30x60 12"x24" 9,5 mm		
	Levigato Polished	Matt	Levigato Polished	Matt	Levigato Polished	Matt	Safe	Levigato Polished	Matt	Safe	Levigato Polished	Matt	Safe
Calacatta	88902	88896	88908	88914	88926	88920	88932	88944	88938	88950	88962	88956	88968
Camouflage	88903	88900	88909	88915	88927	88921	88933	88945	88939	88951	88963	88957	88969
Galaxia	87844	88150	82455	82456	79611	79963	88977*	79927	79969	88978*	79933	79975	88979*
Hermitage	88904	88901	88910	88916	88928	88922	88934	88946	88940	88952	88964	88958	88970
J'Adore	88905	88899	88911	88917	88929	88923	88935	88947	88941	88953	88965	88959	88971
Macchia Vecchia	88906	88898	88912	88918	88930	88924	88936	88948	88942	88954	88966	88960	88972
Statuario	88907	88897	88913	88919	88931	88925	88937	88949	88943	88955	88967	88961	88973
PZ x BOX	1	1	2	2	2	2	2	3	3	3	6	6	6
MQ x BOX	3,36	3,36	2,88	2,88	1,44	1,44	1,44	1,08	1,08	1,08	1,08	1,08	1,08
KG x BOX	48,72	48,72	70	70	31,50	31,50	31,50	23,50	23,50	23,50	23,50	23,50	23,50
BOX x PL	20	20	18	18	32	32	32	32	32	32	40	40	40
MQ x PL	67,20	67,20	51,84	51,84	46,08	46,08	46,08	34,56	34,56	34,56	43,20	43,20	43,20
KG x PL	974,40	974,40	1260	1260	1008	1008	1008	752	752	752	940	940	940

Per motivi tecnici i pesi sopra indicati possono variare / For technical reasons the weights indicated above may vary

* Fino a esaurimento scorte il materiale verrà consegnato in finitura Grip
The item will be delivered in grip finish, until stocks are available

Cerdomus / Omnia

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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.

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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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