



European
Ceramics

WHISPER RANGE

Product Name: **WHISPER - 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.

<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

GRES PORCELLANATO | PORCELAIN TILES | GRÈS CÉRAME | FEINSTEINZEUG

Norma di riferimento: EN 14441 (ISO 13006) Allegato G
Piastrille di ceramica pressate a secco con basso assorbimento d'acqua (E ≤ 0,5%)

Reference standard: EN 14441 (ISO 13006) Appendix G - Dry pressed ceramic tiles with low water absorption (Ev ≤ 0,5%) .



GRUPPO B la

CARATTERISTICHE TECNICHE Technical characteristics - Caractéristiques techniques Technische eigenschaften	NORMA Norms - Normes Normen	REQUISITI RICHIESTI Requirements - Conditions requisés Geforderte eigenschaften			VALORE MEDIO SUPERGRES * Average rating - Valeur moyenne Durchschnittswert		
		7 cm ≤ N <15 cm	N ≥ 15 cm				
Lunghezza e larghezza dei lati - Length and width of the sides Longueur et largeur de côtés - Länge und Breite	ISO 10545-2	RETIFICATI	± 0,4 mm	± 0,3 %	± 1,0 mm	Conforme - According to Conforme - Gemäss	
Rettifinità degli spigoli - Straightness Equerage des angles - Kantengeradheit			± 0,4 mm	± 0,3 %	± 0,8 mm	Conforme - According to Conforme - Gemäss	
Ortogonalità** - Rectangularity** Orthogonalité - Rechtwinkligkeit			± 0,4 mm	± 0,3 %	± 1,5 mm	Conforme - According to Conforme - Gemäss	
Planarità - Flatness Planéité - Planität			± 0,6 mm	± 0,4 %	± 1,8 mm	Conforme - According to Conforme - Gemäss	
Spessore - Thickness Épaisseur - Stärke	ISO 10545-2		± 0,5 mm	± 5 %	± 0,5 mm	Conforme - According to Conforme - Gemäss	
Assorbimento % d'acqua - Water absorption Absorption d'eau - Wasseraufnahme	ISO 10545-3		Ev ≤ 0,5%			Conforme - According to Conforme - Gemäss	
Determinazione della resistenza a flessione e della forza di rottura Flexion and break resistance Résistance à la flexion et à la force de rupture Biegefestigkeit und Bruchlast	ISO 10545-4		Spessore Thickness Épaisseur Stärke	≥ 7,5 mm S ≥ 1300 R ≥ 35 N/mm² ≤ 7,5 mm S ≥ 700 N R ≥ 35 N/mm²		Conforme - According to Conforme - Gemäss	
Determinazione della resistenza all'abrasione Abrasion Resistance Résistance à l'abrasion Abriebfestigkeit	ISO 10545-6		≤ 175 mm³			Conforme - According to Conforme - Gemäss	
Coefficiente di espansione termica lineare tra 20° e 100° C Linear thermal expansion 20°C to 100°C Dilatation thermique linéaire entre 20°C et 100°C Lineare Wärmeausdehnung zwischen 20°C und 100°C	ISO 10545-8		Metodo di prova disponibile - Test method available Méthode d'essai disponible - Prüfverfahren verfügbar			Conforme - According to Conforme - Gemäss	
Resistenza agli sbalzi termici - Thermal shock resistance Résistance aux écarts de Température - Temperaturwechselbeständigkeit	ISO 10545-9		Metodo di prova disponibile - Test method available Méthode d'essai disponible - Prüfverfahren verfügbar			Conforme - According to Conforme - Gemäss	
Resistenza al gelo - Frost resistance Résistance au gel - Frostbeständigkeit	ISO 10545-12		Metodo di prova disponibile - Test method available Méthode d'essai disponible - Prüfverfahren verfügbar			Conforme - According to Conforme - Gemäss	
Determinazione della resistenza chimica - Chemical resistance Résistance chimique - Chemikalienbeständigkeit	ISO 10545-13		B min.			A LA HA	
Reazione al fuoco - Reaction to fire Réaction au feu - Brandverhalten	-		Classe A1 o A1 fl - Class A1 o A1 fl Classe A1 ou A1 fl - Klasse A1 oder A1 fl			Conforme - According to Conforme - Gemäss	
Determinazione della resistenza alle macchie - Resistance to staining Résistance aux taches - Beständigkeit gegen Fleckenbil	ISO 10545-14		Classe 3 minimo - Class 3 min Classe 3 min - Klasse 3 min			Conforme - According to Conforme - Gemäss	
Resistenza allo scivolamento - Slip resistance Résistance au glissement - Bestimmung der Rutschhemmungsfähigkeit	EN 16165 (Previously DIN 51130)		Classificazione R - Classification R Evaluación R R - Klassifizierung R			R10	R11
Resistenza allo scivolamento - superfici bagnate calpestio a piedi scalzi Résistance au glissement - surfaces mouillées passage à pieds nus Bestimmung der Rutschhemmungsfähigkeit - nasse Oberfläche - Barfußgehen Coefficient of friction - dry surfaces walking on barefoot	EN 16165 (previously DIN 51097)		Classificazione A B C - Evaluación A B C Klassifizierung A B C - Classification A B C			B	C
Resistenza allo scivolamento - coefficiente di attrito dinamico (DCOF) Slip resistance - dynamic friction coefficient Résistance au glissement - résistance de frottement dynamique Bestimmung der Rutschhemmungsfähigkeit - dynamischer Reibungskoeffizient	ANSI A 326.3		≥ 0,42 wet			Conforme According to Conforme Gemäss	Conforme According to Conforme Gemäss
Coefficiente di attrito dinamico - Dynamic friction coefficient Résistance de frottement dynamique - Dynamischer Reibungskoeffizient	METODO B.C.R.A.		D.M.I. Giugno 1989 n.236 (p > 0,40)			Conforme According to Conforme Gemäss	Conforme According to Conforme Gemäss

GRADO DI VARIAZIONE CROMATICA. Ogni prodotto si caratterizza per un grado di stonizzazione variabile da prodotto a prodotto, da colore a colore. Per stonizzazione s'intende variazione di gradazione cromatica da piastrella a piastrella.

COLOUR SHADE VARIATION. Every product is characterised by colour-shading that can vary from one product to another and from one colour to another. When referring to colour-shading we refer to the chromatic variation of the tile surface.



Prodotto con marcata variazione cromatica
Product with a marked chromatic variation

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Packing Whisper

IMBALLI | PACKING
EMBALLAGE | VERPACKUNG

GRES PORCELLANATO | PORCELAIN TILES
GRÈS CÉRAMÉ | FEINSTEINZEUG

	spessore	pz/box	mq/sc	kg/sc	sc/plt	mq/plt	kg/plt
120x120RT	9 mm	2	2,88	60,00	20	57,60	1212
60x120RT	9 mm	2	1,44	30,00	35	50,40	1062
80x80RT	9 mm	2	1,28	25,50	48	61,44	1236
60x60RT	9 mm	3	1,08	22,00	40	43,20	892
30x60RT	9 mm	7	1,26	25,00	40	50,40	1012
Mural / Foliage 60x120RT	9 mm	2	1,44	30,00	35	50,40	1062
60x120 Bordo Vintage	9 mm	2	1,44	30,00	-	-	-
Pattern Bordo Vintage	9 mm	1	0,72	14,00	-	-	-
Mosaico su rete 30x30RT	9 mm	10	0,90	16,00	30	27,00	495
Stick 30x34	9 mm	6	-	-	-	-	-
Gradone c/profilo incollato 33x120RT	9 mm	2	-	-	-	-	-
Gradone c/profilo incollato 33x60RT	9 mm	4	-	-	-	-	-
Angola Gradone c/profilo incollato 33x30RT	9 mm	4	-	-	-	-	-
Gradino 30x60RT	9 mm	7	-	-	-	-	-
Battiscopa total dek 7,2x60	9 mm	10	6,00 ml	9,40	70	420 ml	673
Battiscopa total dek 7,2x80	9 mm	8	6,40 ml	7	72	460,80 ml	519
60x120RT 	20 mm	1	0,72	32	35	25,20	1135

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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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