WHISPER RANGE

BUILDING PRODUCT INFORMATION REQUIREMENTS (BPIR) – CLASS 1

This document is intended to provide the building product information required for a Class 1 designated building product under the (Building Product Information Requirements) Building Regulations 2022.

Product Name:	**WHISPER RANGE - 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% designed as a finished product to complete the chosen aesthetic of a building project.
Intended Use:	Porcelain tiles from this range can be installed in line with NZ Building Code requirements and BRANZ best practices. Porcelain tiles are an aesthetic finish to a surface not intended to be load bearing or structural.
Country of Origin:	Italy

Building Code Obligations

Within the intended scope of use, the existing European Ceramics BPIR identifies the following Building Code clauses as potentially relevant. Applicability depends on the actual location and design use:

- B2 – Durability (including B2.3.1)
- C3 – Fire affecting areas beyond the source
- D1 – Access routes (including D1.3.3)
- E3 – Internal moisture (including E3.3.2, E3.3.3 and E3.3.4)
- G3 – Food preparation and prevention of contamination (including G3.3.2)
- G6 – Airborne and impact sound (including G6.3.1 where applicable)

Importer Details:
European Ceramic Tiles Ltd
Address: 7A Cowley Place, Rosedale, AKL 0632
NZBN: 9429037294571
Website: euroceramics.co.nz

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

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 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 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.

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.

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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.

Limitations of Use

Product technical/specification sheets from manufacturers outline composition details and characteristics including material, finishes, PEI ratings, size (including variations, calibrations, weights) colour and slip ratings. Tiles are a finishing product, consented plans or specification should be referred to in order to outline the details of suitability with regard to NZBC requirements.

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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Manufacturer Information

Address: Via Statale 467, 34,42013 Casalgrande RE, ITALY

Website: https://www.supergres.com

Email Address: Tel. 0522 997411

Technical Information

Product catalogue & technical/specification sheets for each range can be located Click here

GRES PORCELLANATO | PORCELAIN TILES | GRÈS CÉRAME | FEINSTEINZEUG

Ceramics of Italy

CERAMICHE SUPERGRES MADE in ITALY

GRUPPO B Ia

CARATTERISTICHE TECNICHE	NORMA		REQUISITI RICHIESTI			VALORE MEDIO SUPERGRES *
			7 cm < N < 15 cm	N ≥ 15 cm		
Lunghezza e larghezza dei lati	ISO 10545-2	DIMENSIONALI	± 0,6 mm	± 0,3 %	± 1,5 mm	Conforme - According to - Conforme - Gemäß
Rettilineità degli spigoli			± 0,6 mm	± 0,3 %	± 0,8 mm	Conforme - According to - Conforme - Gemäß
Ortogonalità** - Rectangularity** - Orthogonalität - Rechtwinkligkeit			± 0,6 mm	± 0,3 %	± 1,5 mm	Conforme - According to - Conforme - Gemäß
Planarità - Flatness - Planität - 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		Em ≤ 0,5%			Conforme - According to - Conforme - Gemäß
Determinazione della resistenza e flessione e della forza di rottura - Flexural and breaking resistance - Résistance à la flexion et à la force de rupture - Biegefestigkeit und Bruchkraft	ISO 10545-4		Spessore - Thickness - Épaisseur - Stärke ≥ 7,5 mm: R ≥ 1300 N, R ≥ 35 N/mm²; Spessore - Thickness - Épaisseur - Stärke < 7,5 mm: R ≥ 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 aux produits chimiques - Chemikalienbeständigkeit	ISO 10545-13		Min.			A, UA, HA
Reazione al fuoco - Reaction to fire - Réaction au feu - Brandverhalten			Classe A1 o A1 fl - Class A1 or A1 fl - Classe A1 ou A1 fl - Klasse A1 oder A1 fl			Conforme - According to - Conforme - Gemäß
Determinazione della resistenza allo scivolamento - Resistance to slipping - Résistance aux surfaces - Rutschsicherheit gegen Fußsohle	ISO 10545-14		Classe 2 min - Class 2 min - Classe 2 min - Klasse 2 min			Conforme - According to - Conforme - Gemäß
Resistenza allo scivolamento - Slip resistance - Résistance au glissement - Bestimmung der Rutschsicherheitswerte	EN 16165 (Previously DIN 51130)		Classificazione R - Classification R - Classification R - Klassifizierung R			R10 / R11
Resistenza allo scivolamento - superfici rigorose calpestio a piedi nudi - Resistance au glissement - surfaces rendues rugueuses à pieds nus - Bestimmung der Rutschsicherheitswerte - raues Oberflächen - Barfußgehen - Coefficient d'frottement - dry surfaces walking on barefoot	EN 16165 (previously DIN 51097)		Classificazione A B C - Classification A B C - Klassifizierung A B C - Classification A B C			B / C

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Coefficiente di attrito dinamico - Dynamic friction coefficient Rivestimento da fotoluminescente - 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 Rivestimento da fotoluminescente - Dynamischer reibungskoeffizient	METODO B.C.S.A.	D.M.I. (Regio 1989 n.236 (µ > 0,40)	Conforme According to Conforme Gemäss	Conforme According to Conforme Gemäss

EFFETTO DI VARIAZIONE CROMATICA. Ogni prodotto è caratterizzato per un grado di variazione cromatica da prodotto a prodotto, da colore a colore. Per variazione cromatica s'intende variazione di gradazione cromatica da piastrella a piastrella.
COLOUR SHADE VARIATION. Every product is characterised by colourshading that can vary from one product to another and from one colour to another. When referring to colourshading we refer to the chromatic variation of the tile surface.

V3

Prodotto con normale variazione cromatica
Product with a normal chromatic variation

Packing

Whisper

IMBALLI | PACKING
EMBALLAGE | VERPACKUNG

GRES PORCELLANATO | PORCELAIN TILES
GRES CERAME | 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	-	-	-	-	-
Angolo 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 NEW	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 follow this link

Design Requirements

- The designer/specifier must confirm that the selected product colour, finish, size and thickness is suitable for the intended location and service conditions.
- Floor finishes must be selected with regard to the required slip resistance for the intended use, including access routes and wet areas where applicable.
- The supporting substrate and complete tile system must be designed to be sufficiently stable, rigid, level and suitable for the tile format and loading.
- Wet-area design must include the required waterproofing system, falls, drainage, junctions and penetrations. Tiles and grout are not to be relied upon as the waterproofing system.
- Movement/control joints must be incorporated where required by the substrate, building movement, tile layout and installation system.
- For underfloor heating, the heating system, substrate, adhesive, grout and movement-joint design must be compatible with porcelain tile and the relevant manufacturers' requirements.
- For external cladding or other specialist applications, project-specific design, fixing, wind/seismic actions and system compatibility must be verified before installation.
- Natural variation in shade, caliber and appearance should be considered when approving samples and setting out the installation.

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Installation Requirements

- Installation must be carried out by a competent tile installer in accordance with NZ standards & the BRANZ best tiling practices guide, the tile manufacturer's instructions and the installation-product manufacturers' instructions.
- Confirm the product identity, colour, finish, size, calibration and quantity before installation. Do not install visibly damaged or incorrect tiles.
- The substrate must be sound, clean, dry as required by the selected system, adequately cured, dimensionally stable, level and free of contaminants that may impair adhesion.
- Where waterproofing is required, install an appropriate waterproofing system before tiling and complete all junctions, penetrations and terminations in accordance with the waterproofing manufacturer's requirements.
- Select adhesive and grout suitable for porcelain tile, tile format, substrate, environment and service conditions. Follow the adhesive/grout manufacturer's mixing, open-time, coverage and curing requirements.
- Provide adhesive coverage appropriate to the application and tile format. Large-format and external/specialist installations may require additional measures to achieve adequate support and coverage.
- Provide movement joints and perimeter joints where required; do not bridge structural or substrate movement joints with rigid tile finishes.
- Maintain appropriate joint widths and setting-out tolerances. The supplier technical sheet included in the existing BPIR should be consulted for product-specific joint guidance.
- Protect the completed installation from traffic, moisture, impact and other loads until the adhesive, grout, sealants and associated systems have cured.
- For further installation information please refer to this link for porcelain, ceramic & natural stone.

Maintenance Requirements

- Clean routinely using clean water and a suitable neutral or manufacturer-approved tile cleaner. Follow the cleaning-product manufacturer's instructions.
- Remove spills and contaminants promptly. Cleaning frequency should reflect the location, traffic and contamination level.
- Do not use cleaning methods or chemicals that may damage grout, sealants, adjacent materials or any decorative/special surface finish. Confirm chemical compatibility before use.
- Avoid abrasive tools or cleaning methods that may scratch or alter the surface appearance.
- Maintain grout, flexible sealant and movement joints. Inspect them periodically and repair or replace deteriorated material where necessary.
- Where slip resistance is important, maintain the surface so that residues, oils, soap, coatings or other contaminants do not materially reduce slip performance.
- For further maintenance information please refer to this link for porcelain, ceramic & natural stone.

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