



European
Ceramics

SENSI 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:	SENSI 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.

<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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Manufacturer Information

Address: Via Canaletto 24, 41042 Fiorano Modenese MO, Italy

Website: <https://www.florim.com/en>

Email Address: info@florim.com

Technical Information

Product catalogue & technical/specification sheets for each range can be located [Click here](#)

SENSI OUTDOOR

Vantaggi tecnici - Technical advantages - Avantages techniques Technische Vorteile - Ventajas técnicas



- Low weight (18kg) compared to standard tiles (25kg) equal to its surface area
- Easy to handle (height 18x25x4mm) is supported and controlled
- Easy to move (light weight) and to install (flat surface, no need for mortar)
- Removable thanks to the Plastic 2-in-1 track, which is glued on the fully glazed tile
- Easy to install (simple steps) and to remove (just push the tile back)



- Frostproof
- Frost resistant
- Frost proof
- Frost resistant
- Frost proof



- Easy to install (no need for mortar)
- Easy to move (light weight) and to install (flat surface, no need for mortar)
- Removable thanks to the Plastic 2-in-1 track, which is glued on the fully glazed tile
- Easy to install (simple steps) and to remove (just push the tile back)



- Slip resistant
- Slip proof
- Slip resistant
- Slip proof
- Slip resistant



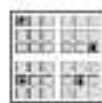
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Applicazioni - Applications - Applications - Verlegung - Aplicaciones

- Pose directa sobre hierba
- Direct installation on grass
- Pose directe sur l'herbe
- Verlegung direkt auf Gras
- Colocación directa sobre hierba



- Pose directe sur gravier
- Direct installation over gravel
- Pose directe sur du gravier
- Verlegung direkt auf Kies
- Colocación directa sobre grava



- Pose sur maillasse cimentée
- Installation on cemented mesh
- Pose sur treillis cimenté
- Verlegung auf Zementmaschenstreifen
- Colocación sobre malla de hormigón



- Pose sur pieds réglables réglables
- Installation on fixed or adjustable feet
- Pose sur pieds réglables
- Verlegung auf feststehende oder regulierbare Füße
- Colocación sobre pies fijos o regulables



For display the tile is supported on a special stand that is not for the purpose of use, as the tile is not designed for this purpose.



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Gres fine porcellanato
fine porcelain stoneware / grès cérame fin / feinsteinzeug - kollektionen / gres porcelánico fino

9MM

Caratteristiche di qualità (certificati) - test conducted/proofed dalla norma EN 14411 - ISO 15006, Appendice G gruppo IIIa (IIIa)
(Qualty specifications, according to certificates of EN 14411 - ISO 15006, Appendix G group IIIa (IIIa))
Características de calidad (certificados) según la norma EN 14411 - ISO 15006, Apéndice G grupo IIIa (IIIa)
(Qualitätszeugenspezifische Normen EN 14411 - ISO 15006, Anhang G Gruppe IIIa (IIIa))

	lunghezza e larghezza, dimensioni arrotondate, in %, della dimensione massima di ogni parte della parte des de fabrication - Length and width, pointed dimension, in %, of the average size of each the part the production dimension - Longueur et largeur : mesage de fabrication, en %, selon la dimension rayonné de chaque partie et la des de fabrication - Länge und breite, aufgerollt abwärts längste durchschnittliche jeite Name von Teil und Teil in Prozenten - Länge y ancho: dimension redondeada, en %, del tamaño medio de cada lado de la parte del trabajo de fabricación	Squadrato ISO 13006	±0.3 %	±1.0 mm		±0.15 %			
	deviazione arrotondata, in percento, della spessore medio di ogni parte della dimensione di dimensione arrotondata dimension - in %, of the average thickness of each the part the production dimension - moyenne de l'épaisseur de la partie de la dimension de fabrication - Durchschnittliche Dicke der Dimension der Produktion - Durchschnittliche Dicke der Produktion	Squadrato ISO 13006	±5 %	±0.5 mm		±5 %			
	dimensione massima di rettitudine, in percento, in rapporto alle dimensioni di fabbricazione corrispondenti - maximum straightness deviation, in %, in relation to the corresponding production dimension - marge de tolérance de rectitude, en pourcentage, par rapport aux dimensions de fabrication correspondantes - zulassung für Abweichung der Formgenauigkeit in Verhältnis zu den entsprechenden Maßangaben in Prozenten - Abweichung der Maßangaben in Prozenten	Squadrato ISO 13006	±0.3 %	±0.8 mm		±0.1 %			ISO 10545-2
	deviazione massima di ortogonalità, in percento, in rapporto alle dimensioni di fabbricazione corrispondenti - maximum orthogonality deviation, in %, in relation to the corresponding production dimension - marge de tolérance d'angle, en pourcentage, par rapport aux dimensions de fabrication correspondantes - zulassung für Abweichung der Winkelgenauigkeit in Verhältnis zu den entsprechenden Maßangaben in Prozenten - Abweichung der Winkelgenauigkeit in Prozenten	Squadrato ISO 13006	±0.3 %	±1.5 mm		±0.2 %			
	planità (curvatura del cerchio, della sfera) e irregolarità - flatness (curving in the middle, con- cave and convex) - planité (courbure circulaire, de l'ovale et généralement - Abweichungen (Krumm- ung der Mitte, der Kante und unregelmäßig) - planitud (curvatura del cerchio, de la esfera y abigarramiento)	Squadrato ISO 13006	±0.4 %	±1.8 mm		±0.35 %			
	qualità della superficie - surface quality qualité de la surface - Qualität der Oberfläche calidad de la superficie		100% the 100% surface area must be free of defects - 100% of the total area must be free from visible flaws, cracks, pits, etc. or other defects - 100% der Fläche muss frei von sichtbaren Fehlern, Rissen, Vertiefungen oder anderen Mängeln sein - 100% der Fläche muss frei von sichtbaren Fehlern sein		LOW/BAW/CONFORMING CONFORM/CONFORM CONFORME				
	massa d'acqua assorbita in % - % water absorption masse d'eau absorbée en % - absorption d'eau en % masa de agua absorbada en %		E ≤ 0.5 %			valore medio 0.08 %			ISO 10545-3
	forza di rottura in N (p.e. a 75 mm) - breaking strength in N (pressure a 75 mm) force de rupture en N (p.e. a 75 mm) - résistance en N (p.e. a 75 mm) fuerza de rotura en N (p.e. a 75 mm)		≥ 1300 N			valore medio 2200 N			
	resistenza alla flessione in N/mm² - flexure flexural strength in N/mm² - résistance à la flexion en N/mm² - Biegezugfestigkeit in N/mm² resistencia a la flexión en N/mm²		≥ 35 N/mm²			valore medio 50 N/mm²			ISO 10545-4
	resistenza all'abrasione profonda della superficie (con campione resistente to deep abrasion of surface (with resistant to deep abrasion of surface (with resistente to deep abrasion of surface (with resistente to deep abrasion of surface (with		≤ 175 mm³			valore medio 140 mm³			ISO 10545-6
	resistenza allo sfaldamento - resistance to chipping - resistance au éclatement resistencia al desmenuamiento - resistencia a las roturas		-		Classe 5	Classe 4	Classe 4	Classe 4	ISO 10545-14
	resistenza agli urti (da 10 cm) resistance to impact (from 10 cm) resistencia a los impactos (desde 10 cm) resistencia a los impactos (desde 10 cm)		-		RESISTE - RESISTANT RESISTE - RESISTANT RESISTE				ISO 10545-8
	resistenza al gelo frost resistant resistencia au gel resistencia al hielo		-		RESISTE - RESISTANT RESISTE - RESISTANT RESISTE				ISO 10545-12
	resistenza chimica (concentrazione di acido e alcali) resistance to chemical (concentration of acid and alkali) resistencia química (concentración de ácidos y álcalis) resistencia química (concentración de ácidos y álcalis)		-		LA				
	resistenza a basse concentrazioni di acido e alcali resistance to low concentration of acid and alkali resistencia a bajas concentraciones de ácidos y álcalis resistencia a bajas concentraciones de ácidos y álcalis		-		LA				ISO 10545-13
	resistenza a alte concentrazioni di acido e alcali resistance to high concentration of acid and alkali resistencia a altas concentraciones de ácidos y álcalis resistencia a altas concentraciones de ácidos y álcalis		-		A				
	coefficiente di attrito (passivo) - friction coefficient (passive) coefficient de frottement (passif) - Reibkoeffizient (passiv) coeficiente de fricción (pasivo)		-		-				
	coefficiente di attrito (attivo) - friction coefficient (active) coefficient de frottement (actif) - Reibkoeffizient (aktiv) coeficiente de fricción (activo)		-		-				
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Gres fine porcellanato

fine porcelain stoneware / grès cérame fin / feinsteinzeug - kollektionen / gres porcelánico fino

20MM

Caratteristiche di qualità secondo i test di controllo previsti dalla Norma EN 14411 - ISO 13006, Appendice G gruppo A da 100.
Qualitätsmerkmale nach Normen EN 14411 - ISO 13006, Appendix G Gruppe A da 100.
Características de calidad según las Normas EN 14411 - ISO 13006, Apéndice G grupo A da 100.

CONFORME/CONFORMING/CONFORME/CONFORME		SAND GRIP		INFORME/REPORT/REPORT/BERICHT/STANDARD/NORMA	
N = 15 cm					
	lunghezza e larghezza deviazioni ammissibili in %, della dimensione media di ogni quadrato della serie di fabbricazione - length and width admissible deviations in %, of the average size of each tile from the production dimension - longueur et largeur admissibles en %, entre la dimension moyenne de chaque carreau et la dimension de fabrication - Länge und Breite zulässige Abweichung des durchschnittlichen, in Prozenten der aus der Fertigung resultierenden durchschnittlichen, in Prozenten der durchschnittlichen Abweichung	Squadrato ISO 13006	±0,3 % ±1 mm	±0,15 %	
	deviazione ammissibile in percento della spessore medio di ogni quadrato della dimensione di fabbricazione - admissible deviation in %, of the average thickness of each tile from the production dimension - marge de tolérance en pourcentage entre l'épaisseur moyenne de chaque carreau et la dimension de fabrication - zulässige Abweichung der durchschnittlichen, in Prozenten der durchschnittlichen Abweichung	Squadrato ISO 13006	±5 % ±0,5 mm	±5 %	
	deviazione massima di rettitudine in percento in rapporto alla dimensione di fabbricazione corrispondente - maximum right-angle deviation in %, in relation to the corresponding production dimension - marge de tolérance d'angle en pourcentage par rapport aux dimensions de fabrication - Höchstabweichung der Rechtwinkligkeit des Fertigungsmaßes in Verhältnis zu den entsprechenden Fertigungsmaßen	Squadrato ISO 13006	±0,2 % ±0,2 mm	±0,1 %	
	deviazione massima di ortogonalità in percento in rapporto alla dimensione di fabbricazione corrispondente - maximum right-angle deviation in %, in relation to the corresponding production dimension - marge de tolérance d'orthogonalité en pourcentage par rapport aux dimensions de fabrication - Höchstabweichung der Orthogonalität des Fertigungsmaßes in Verhältnis zu den entsprechenden Fertigungsmaßen	Squadrato ISO 13006	±0,3 % ±1,5 mm	±0,2 %	ISO 10545-2
	planità (curvatura del centro, della spalla e complementi) - flatness (curving in the middle, on rim and wingtip) - planité (courbure centrale, de l'arête et du becquet) - Abflachung (Bogenzug der Mitte, der Arste und der Beugung) - planitud (curvatura del centro, de la arista y abarquetamiento)	Squadrato ISO 13006	±0,4 % ±1,8 mm	±0,35 %	
	qualità della superficie - surface quality - qualité de la surface - Qualität der Oberfläche - calidad de la superficie	A fine vita della prodotto non essere incisa da altri materiali - At end life of the tile must be free from being free - After end of the cycle the tile should be free from being free - After end of the cycle the tile should be free from being free - After end of the cycle the tile should be free from being free			CONFORME/CONFORMING/CONFORME/CONFORME
	resistenza all'acqua bollente in %, a 100°C - resistance to boiling water - résistance à l'eau bouillante - Wasserkocherprobe - resistencia a la ebullición en %	600,5 %		valore medio 0,58 %	ISO 10545-3
	forza di rottura in N/kg a 7,5 mm - breaking strength in N/kg (pencil a 7,5 mm) - force de rupture en N/kg a 7,5 mm - bruchkraft in N/kg (a 7,5 mm)	1300 mm		CONFORME/CONFORMING/CONFORME/CONFORME	
	resistenza alla flessione in N/mm² - flexure strength test - résistance à la flexion en N/mm² - Biegezugfestigkeit - resistencia a la flexión en N/mm²	> 35 N/mm²		valore medio 52 N/mm²	ISO 10545-4
	resistenza all'abrasione (profondità delle punte delle ruote) - resistance to deep abrasion of square tiles - résistance à l'abrasion profonde des carreaux aux angles - Abriebtest (Tiefenabrieb) - resistencia a la abrasión profunda de los baldosos en pavimentos	<175 mm³		valore medio 140 mm³	ISO 10545-6
	resistenza alle macchie - resistance to staining - résistance aux taches - Fleckabweisung - resistencia a las manchas	-		Classe 4	ISO 10545-8
	resistenza agli sbalzi termici - thermal shock resistance - résistance aux variations thermiques - Temperaturwechselbeständigkeit - resistencia al choque térmico	Resiste dopo il superciclo / readily resists thermal shock after supercycle - Résiste après le surcycle - Nach dem Überzyklus		RESISTE - RESISTANT/RESISTE - RESISTANT/RESISTE	ISO 10545-9
	resistenza al gelo - frost resistant - résistance au gel - Frostbeständigkeit - resistencia al helado	resiste - resistant - Resiste - gefroren - resiste		RESISTE - RESISTANT/RESISTE - RESISTANT/RESISTE	ISO 10545-12
	resistenza a basse concentrazioni di acido e alcali - resistance to low concentrations of acids and alkalis - résistance à faibles concentrations d'acides et d'alcalis - Widerstand gegen niedrige Konzentrationen von Säuren und Laugen - resistencia a bajas concentraciones de ácidos y álcalis	conferm. dichiarata dal produttore / confirmed by manufacturer - confirmé par le fabricant - bestätigt durch Hersteller		1A	ISO 10545-13
	resistenza a alte concentrazioni di acido ed alcali - resistance to high concentrations of acids and alkalis - résistance à de hautes concentrations d'acides et d'alcalis - Widerstand gegen hohe Konzentrationen von Säuren und Laugen - resistencia a altas concentraciones de ácidos y álcalis	14H E		A	
	coefficiente d'attrito (a caldo) - friction coefficient (slippery) - coefficient de frottement (glissant) - Gleitkoeffizient (glatt) - coeficiente de atrito (deslizamiento)		10° < α ≤ 23° RT1 12° > 24° classe C ±0,42 max		EN EN 12615 ANNEX B EN EN 12615 ANNEX A OCOF ANSI A 326.3



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GRES FINE PORCELLANATO/FINE PORCELAIN STONEWARE/GRES CERAME FIN/FEINSTEINZEUG-KOLLEKTIONEN/GRES PORCELANICO FINO
SQUADRATO - SQUARED - ECUARRI - REKTIFIZIERT - ECUADRADO

CARATTERISTICHE TECNICHE - TECHNICAL CHARACTERISTICS - CARACTERISTIQUES TECHNIQUES - TECHNISCHE EIGENSCHAFTEN - CARACTERÍSTICAS TÉCNICAS

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RESISTENTE PER LA CASA È un prodotto non abrasivo e sicuro, adatto all'uso anche in ambienti dove frequente il traffico d'acqua e sostanze grasse, come la cucina e il bagno. Resistente ai graffi e agli urti, meglio di qualunque altro materiale naturale. Utilizzato in banconi cucina non si scalfisce e resiste alla caduta accidentale di oggetti domestici. Resistente al fuoco, alla bruciatura e non altera in alcun modo lo spargere delle fiamme.

RESISTANT FOR THE HOUSE The product is water resistant, it resists liquids, body oils, acids and staining substances from penetrating the tiles. It resists scratches, scuffs and gouges better than any other floor covering. It doesn't absorb fumes, odors or smoke. It doesn't discolor or fade when exposed to sunlight, or other natural elements. It is completely fire-proof. It resists burns and doesn't feed a fire. Its high resistance to abrasion dirt and grime makes it suitable even for heavy traffic areas of the house, such as hallways, entrances, foyers, walkways.

RESISTANT POUR LA MAISON Un produit sûr et antidérapant, fait pour être utilisé également dans des lieux où fréquente fréquemment eau et graisses, comme c'est le cas de la cuisine. Résiste aux rayures et aux chocs mieux que tout autre matériau naturel. Utilisé sur le plan de travail, ne se rayer pas, résiste aux chocs et aux brûlures accidentelles, des objets domestiques. Résiste au feu, aux brûlures et notamment en aucune façon la diffusion des flammes.

BESTÄNDIGKEIT IN WOHNRAUMEN Das es sich um einen rutschfesten und sicheren Bodenbelag handelt, eignet er sich auch zum Verlegen in Räumen, wo der Umgang mit Wasser und Fettstoffen zum Alltag gehört wie zum Beispiel in der Küche. Rauch- und Schlagfest. Bietet als alle anderen natürlichen Fliese Stoffe. Als Verlebungsmaterial vom Arbeitsflächen in der Küche bewahrt, da verbr- und schlagfest ist und weil ihm Küchenutensilien, die manchmal horizontal fallen, nichts anhaben können. Beständig gegen Feuer und Brandflecken und in jeder Hinsicht glühend.

RESISTENTE PARA EL HOGAR Es un producto seguro que no se cala, adecuado para su uso en ambientes donde son frecuentes el agua y las grasas, como por ejemplo la cocina y en el baño. Resistente a arañazos y golpes, mejor que cualquier otro material natural. Utilizado en bancos de cocina, no se raya ni se quema por golpes y caídas accidentales de objetos domésticos. Es resistente al fuego y a quemaduras, y no favorece de ningún modo la formación de flamas.



IDEALE PER ESTERNI Non teme lo sbalzo termico e il gelo, perciò adatta anche in ambienti esterni, soggetti a clima rigido. È un prodotto sicuro anche in condizioni di superficie bagnata. Non scolorisce se esposto ai raggi del sole o ad altri agenti atmosferici.

FROST RESISTANT - FOR OUTSIDE AREAS Exceeding the ADA standard requirements, the product can also be used for outside applications. It stands up to abrupt temperature changes and freezing/thawing cycles. When properly installed according to ANSI A137.1 it's strong enough to be used in exterior applications even in rigid climates. Proper consideration must be given to the various requirements of the area to be tiled.

IDEAL POUR LES ESPACES EXTÉRIEURS Ne craint ni les écarts de température, ni le gel et sa grande résistance permet de l'utiliser également avec les climats les plus rigoureux. C'est un produit sûr même en cas de surfaces mouillées. Résistant à la pluie, son émail ne se décolore pas à l'exposition des rayons du soleil ou des autres agents atmosphériques.

IDEAL IM AUSSENBEREICH Temperatur- und frostbeständig. Seine Widerstandsfähigkeit gestattet die Verwendung in Außenbereichen auch bei strengem Winterklima. Ein zuverlässiges Fliesenprodukt auch in Außenbereichen mit rauer Oberfläche. Es verfärbt sich nicht, wenn es Sonneneinstrahlung oder anderen atmosphärischen Einwirkungen ausgesetzt wird.

IDEAL PARA EXTERIORES No teme los cambios bruscos de temperatura ni la presencia de hielo. Gracias a su gran resistencia puede usarse incluso en ambientes exteriores sujetos a climas rigidos. Es un producto que no resalta incluso en condiciones de superficie húmeda o mojada. No pierde color si se expone a los rayos del sol u otros agentes atmosféricos.



PRODOTTO SICURO Provee tecniche eseguite sul prodotto fino garantiscono che il prodotto è antiscivolo e può essere utilizzato in sicurezza anche in luoghi ambienti della cucina e del bagno. È un prodotto impermeabile che impedisce l'infiltrazione di liquidi e sostanze acide o coloranti nella struttura del prodotto, impedendo la conseguente formazione di batteri. Non assorbe fumi e odori. È un prodotto resistente all'abrasione da camminamento, ideale anche nelle zone della casa più soggette a traffico intenso (ingresso, corridoi ecc.). La ceramica Florm è ideale negli ambienti della casa e anche in locali pubblici come ristoranti, uffici, negozi ecc.

ANTI-SLIP The testing conducted on our finished product will guarantee that all our tiles will have an anti-slip surface so they may be used with total confidence in kitchen and bath applications. The Florm product is perfect for both home and commercial interiors, such as restaurants, offices and stores, etc. Its anti-slip properties provide a safe walking surface in both wet and dry conditions, according to the Americans with Disabilities Act.

UN PRODUIT FIABLE Les essais techniques effectués sur le produit fin garantissent un produit antirapport qui peut être également utilisé en toute sécurité dans la cuisine et le salle de bain. Parfaitement imperméable, empêche l'infiltration de liquides, de substances acides ou colorantes à l'intérieur de sa structure et bloque donc la formation des bactéries. N'absorbe ni fumées, ni odeurs. Produit résistant à l'abrasion engendrée par un piétement fréquent, et donc idéal pour les zones de la maison soumises à un passage intensif (entrées, corridors, etc.). La céramique Florm est idéale pour les habitations et pour les locaux publics tels que restaurants, bureaux, magasins, etc.

SICHERHEIT Am Endprodukt durchgeführte technische Prüfungen gewährleisten, daß das Produkt rutschfest ist und ohne Bedenken auch in der Küche und im Bad verlegt werden kann. Unempfindlich gegen Dünste und Gerüche. Die hochwertige, versenkte wasserabweisende Glasur verhindert, dass Flüssigkeiten, Säuren oder Farbstoffe in den Fliesenporen eindringen und Bakterienherde bilden können. Ein Fliesenprodukt, das unempfindlich gegen Oberflächenverschleiß durch Begang und deshalb ideal für intensiven Berufsverkehr Räume im privaten Wohnbereich (Eingänge, Flure usw.) ist. Seine durch Tests belegte Rutschsicherheit. Die Florm Fliesen sind ideal für Wohnräume sowie öffentliche Einrichtungen wie z.B. Restaurants, Büro, Geschäfte usw.

PRODUCTO SEGURO Las técnicas pruebas técnicas realizadas sobre el producto acabado garantizan su carácter de antideslizante, permitiendo que se pueda utilizar con seguridad incluso en los ambientes destinados a la cocina y en los cuartos de baño. Es impermeable al agua, su calidad impide la infiltración de líquidos, acidez o sustancias coloradas en la estructura del producto impidiendo la formación de bacterias. No absorbe humos ni olores. Es un producto resistente a la abrasión producida por las pisadas y, por tanto, su uso es ideal incluso en aquellas zonas de la casa sometidas a un tránsito intenso (entradas, pasillos, etc.). La cerámica de Florm es el producto ideal para los ambientes del hogar y los lugares públicos como restaurantes, oficinas, tiendas, etc.



IGIENE E PULIZIA Si pulisce facilmente usando una spugna umida o uno straccio bagnato. Per una pulizia più profonda, consigliamo di usare acqua e un comune detergente per la pulizia della casa. Una pulizia regolare impedisce la formazione di germi e batteri in zone umide, come vasca, doccia e lavabini.

HYGIENE/SANITATION AND EASY CLEANING The product doesn't absorb odors or bacteria of any kind. It's easy to clean with a damp sponge mop or cloth. For a more intense cleaning, simply use a mild solution of water and a common household detergent. Regular cleaning will stop the growth of germs and bacteria in damp areas, such as the bathroom.

HYGIÈNE ET PROPRETÉ Se nettoie facilement au moyen d'une éponge humide ou d'un chiffon mouillé. Pour un nettoyage en profondeur, nous recommandons d'utiliser de l'eau et un produit détergent de type courant pour la maison. Un nettoyage régulier prévient toute formation de germes et de bactéries dans les zones humides telles que la baignoire, douche et lavabo.

HYGIENE UND SAUBERKEIT Leicht zu pflegen. Es genügt ein feuchter Schwamm oder ein nasser Lappen. Für eine gründliche Reinigung können Sie eine Lösung aus Wasser und einem milden Haushaltsreiniger verwenden. Wenn Sie Ihre Fliesen regelmäßig pflegen, können sich keine Keimbildungs- und Bakterien in den feuchten Bereichen von Badewanne, Dusche und Waschbecken ansammeln.

IGIENE Y LIMPIEZA Se limpia fácilmente usando una esponja húmeda o un paño mojado. Para una limpieza más profunda, les aconsejamos que usen agua y los detergentes que suelen emplearse para la casa. Una limpieza regular impide la formación de gérmenes y bacterias en zonas húmedas como la bañera, duchas y lavabos.



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

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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