



European  
Ceramics

## ONYX & MORE 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:        | <b>ONYX &amp; MORE RANGE - VARIOUS COLOURS/FINISHES/SIZES/THICKNESS</b>                                                                                                                                                   |
| 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](http://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.

| <b><i>Suitability *</i></b>                  | <b><i>Residential</i></b> | <b><i>Light Commercial</i></b> | <b><i>Commercial</i></b> |
|----------------------------------------------|---------------------------|--------------------------------|--------------------------|
| 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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GRES FINE PORCELLANATO/FINE PORCELAIN STONEWARE/GRES CERAME RN/FEINSTEINZEUG-KOLLEKTIONEN/GRES PORCELANICO FINO

SQUADRATO - SQUARED - EQUARRI - REKTIFIZIERT - ESQUADRADO

6 mm 1/4"

| CARATTERISTICHE TECNICHE - TECHNICAL CHARACTERISTICS - CARACTERISTIQUES TECHNIQUES - TECHNISCHE EIGENSCHAFTEN - CARACTERÍSTICAS TÉCNICAS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                            |                                                                                                                                                                                                                                                                                                                               |          |            |                                                             |             |
|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|-------------------------------------------------------------|-------------|
|                                                                                                                                          | Laste in gres fine porcellanato non smaltato. Piatte di ceramica pressata a secco. Caractéristiques de qualité univoque (une di caractéristiques pressées) dalla serie EN 14411-ISO 13006 Appendice G gruppo B1a UGL / Unglazed porcelain stoneware in slab. Dry-pressed ceramic tiles. Quality specifications, according to control tests of EN 14411-ISO 13006 Appendice G gruppo B1a UGL / Dalles en gres cérame fin non émaillé. Carreaux vitrifiés pressés à sec. Características de calidad de cerámica sin esmalte de control de normas EN 14411-ISO 13006 Apéndice G grupo B1a UGL. / 90% glazierten und vollständig geramter Fliesensteine-platteln. Trocken gepresste feine Märfiesen. Qualitätsangaben nach Normen EN 14411-ISO 13006-Anhang G Gruppe B1a UGL / Planchas de gres portafarbo fino no esmaltado. Baldosas de cerámica remadas en seco. Características de calidad según las Normas EN 14411-ISO 13006 Apéndice G grupo B1a UGL. | PRESCRIZIONE<br>STANDARD REQUIREMENTS<br>ANFORDERUNGEN<br>PRESCRIPTION                                                                     | RISULTATI TESTS<br>TEST RESULTS<br>RESULTATS DES ESSAIS<br>PRÜFERERGEBNIS<br>RESULTADOS TESTS                                                                                                                                                                                                                                 |          |            | REFERIMENTO NORMA<br>REFERENCE STANDARD<br>REFERENCIA NORMA |             |
|                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                            | N ≥ 15 cm                                                                                                                                                                                                                                                                                                                     |          |            |                                                             |             |
|                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                            | (%)                                                                                                                                                                                                                                                                                                                           | (mm)     | matte      | glossy                                                      |             |
|                                                         | LUNGHEZZA E LARGHEZZA: DEVIAZIONE AMMISSIBILE IN % DELLA DIMENSIONE MEDIA DI OGNI PIASTRELLA DALLA DIM. DI FABBRICAZIONE / LENGTH AND WIDTH: ADMITTED DEVIATION IN % OF THE AVERAGE SIZE OF EACH TILE FROM THE PRODUCTION DIMENSIONS / LONGUEUR ET LARGEUR: MARGE DE TOLÉRANCE EN % ENTRE LA DIMENSION MOYENNE DE CHAQUE CARREAU ET LA DIM. DE FABRICATION / LANGE UND BREITE: ZULASSIGE ABWEICHUNG DER DURCHSCHNITTSMASSE VOM FÜRSTEN VOM HERSTELLER IN PROZENTEN / LARGO Y ANCHO: DESVIACIÓN ADMISIBLE EN % DEL TAMAÑO MEDIO DE CADA BALDOSA A PARTIR DEL TAMAÑO DE FABRICACIÓN                                                                                                                                                                                                                                                                                                                                                                        | Squadrato ISO 13006                                                                                                                        | ±0,3 %                                                                                                                                                                                                                                                                                                                        | ±1,0 mm  | ±0,15 %    | ISO 10545-2                                                 |             |
|                                                                                                                                          | DEVIAZIONE AMMISSIBILE IN PERCENTO DELLO SPESORE MEDIO DI OGNI PIASTRELLA DALLA DIMENSIONE DI FABBRICAZIONE / ADMITTED DEVIATION IN % OF THE AVERAGE THICKNESS OF EACH TILE FROM THE PRODUCTION DIMENSIONS / ÉPAISSEUR: MARGE DE TOLÉRANCE EN POURCENTAGE ENTRE L'ÉPAISSEUR MOYENNE DE CHAQUE CARREAU ET LA DIMENSION DE FABRICATION / DIAUGESSE: ABWEICHUNG DER DURCHSCHNITTSDIÖCKE VOM FÜRSTEN VOM HERSTELLER IN PROZENTEN / COGROSOR: MARGEN DE DESVIACIÓN ADMISIBLE EN TANTO POR CIENTO DEL GROSOR MEDIO DE CADA BALDOSA A PARTIR DEL TAMAÑO DE FABRICACIÓN                                                                                                                                                                                                                                                                                                                                                                                          | Squadrato ISO 13006                                                                                                                        | ±5 %                                                                                                                                                                                                                                                                                                                          | ±0,5 mm  | ±5 %       | ISO 10545-2                                                 |             |
|                                                         | DEVIAZIONE MASSIMA DI RETTILINEARITÀ IN PERCENTO IN RAPPORTO ALLE DIMENSIONI DI FABBRICAZIONE / CORRESPONDENTI / MAXIMUM STRAIGHTNESS DEVIATION IN % IN RELATION TO THE CORRESPONDING PRODUCTION DIMENSIONS / MARGE DE TOLÉRANCE DE RECTITUDE EN POURCENTAGE PAR RAPPORT AUX DIMENSIONS DE FABRICATION / CORRESPONDANZEN / ZULASSIGE HÖCHSTGERADENHEIT IN VERHÄLTNIS ZU DEN DURCHSCHNITTSMÄßEN IN PROZENTEN / DESVIACIÓN MÁXIMA DE RECTITUD EN TANTO POR CIENTO EN RELACIÓN CON EL TAMAÑO DE FABRICACIÓN CORRESPONDIENTE                                                                                                                                                                                                                                                                                                                                                                                                                                 | Squadrato ISO 13006                                                                                                                        | ±0,3 %                                                                                                                                                                                                                                                                                                                        | ±0,8 mm  | ±0,10 %    | ISO 10545-2                                                 |             |
|                                                                                                                                          | DEVIAZIONE MASSIMA DI ORTOGONALITÀ IN PERCENTO IN RAPPORTO ALLE DIMENSIONI DI FABBRICAZIONE / CORRESPONDENTI / MAXIMUM ORTHOGONALITY DEVIATION IN % IN RELATION TO THE CORRESPONDING PRODUCTION DIMENSIONS / MARGE DE TOLÉRANCE D'ORTOGONALITÉ EN POURCENTAGE PAR RAPPORT AUX DIMENSIONS DE FABRICATION / HÖCHSTABWICHUNG DER RECHTHALIGKEIT IN VERHÄLTNIS ZU DEN DURCHSCHNITTSMÄßEN IN PROZENTEN / DESVIACIÓN MÁXIMA DE LA ORTOGONALIDAD EN TANTO POR CIENTO EN RELACIÓN CON EL TAMAÑO DE FABRICACIÓN CORRESPONDIENTE                                                                                                                                                                                                                                                                                                                                                                                                                                   | Squadrato ISO 13006                                                                                                                        | ±0,3 %                                                                                                                                                                                                                                                                                                                        | ±1,5 mm  | ±0,20 %    | ISO 10545-2                                                 |             |
|                                                                                                                                          | PIANUREZZA (CURVATURA DEL CENTRO, DELLO SPINGOLO E SVERGOLAMENTO) / FLATNESS (CURVING IN THE MIDDLE, CORNER AND WARPING) / PLANÉTE (COURBURE CENTRALE, DE L'ARÊTE ET DU DÉVITEMENT) / GLEICHHEIT (KURVATUR IM HALBKREIS, DER KANTE UND VERWÖLGEN) / PLANITUD (CURVATURA DEL CENTRO, DE LA ARISTA Y ABARRIGALLAMIENTO)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Squadrato ISO 13006                                                                                                                        | ±0,4 %                                                                                                                                                                                                                                                                                                                        | ±1,8 mm  | ±0,20 %    | ISO 10545-2                                                 |             |
|                                                                                                                                          | QUANTITÀ DELLA SUPERFICIE / SURFACE QUALITY / QUANTITÉ DE LA SURFACE / QUALITÄT DER OBERFLÄCHE / CALIDAD DE LA SUPERFICIE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                            | 0-90% max. delle superfici deve essere esente da difetti visibili / At least 90% of the tiles must be free from visible flaws. 0-90% max. des carreaux ne doivent présenter aucun défaut visible. 0-90% der Fliesen müssen frei von sichtbaren Fehln sein. 0-90% der los baldosas debe que estar exentas de defectos visibles |          |            | CONFORME/CONFORME/CONFORME/CONFORME                         | ISO 10545-2 |
|                                                       | MASA D'ACQUA ASSORBITA IN % / WATER ABSORPTION: MASSA D'ACQUA ASSORBITA IN % / WASSERGAUFNAHME IN % / MASA DE AGUA ABSORBIDA EN %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                            | < 0,5%                                                                                                                                                                                                                                                                                                                        |          |            | valore medio 0,08%                                          | ISO 10545-3 |
|                                                       | FORZA DI ROTTURA IN N (kg) ± 0,5 mm - BREAKING STRENGTH IN N (pound) ± 0,5 mm / FORCE DE RUPTURE EN N (kg) ± 0,5 mm / BRUCHLAST IN N (pound) ± 0,5 mm / FUERZA DE RUTURADA EN N (kg) ± 0,5 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                            | ≥ 700                                                                                                                                                                                                                                                                                                                         |          |            | valore medio 1350 N                                         | ISO 10545-4 |
|                                                       | RESISTENZA ALL'AVVOLGIMENTO / FLEXURE STRENGTH / RESISTANCE A L'AVOLGEMENT / BIEGESTÄRKE / RESISTENCIA A LA FLEXIÓN / FLEXTURE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                            | 35 MIN                                                                                                                                                                                                                                                                                                                        |          |            | valore medio 52 N/mm <sup>2</sup>                           | ISO 10545-4 |
|                                                       | RESISTENZA ALL'ABRASIONE PRODOTTA DALLE PIASTRELLE NON SMALTATE / RESISTANCE TO DEBR ABRAISON OF UNGLAZED TILES / RESISTANCE A L'ABRASION PRODUITE DES CARREAUX NON ÉMAILLÉS / REIBSTÄRKEHERSTÄRKEIT UNGLASURTER FLISEN / RESISTENCIA A LA ABRASIÓN PRODUIDA LAS BALDOSAS SIN ESMALTE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                            | < 175 mm <sup>3</sup>                                                                                                                                                                                                                                                                                                         |          |            | valore medio 140 mm <sup>3</sup>                            | ISO 10545-6 |
|                                                       | RESISTENZA AGLI UMILI TERMICI / THERMAL SHOCK RESISTANT / RESISTANCE AUX CHANGEMENTS DE TEMPERATURE / TEMPERATURWIRKUNGSRESISTÄNCE / RESISTENCIA A LOS UMILIOS TÉRMICOS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Metodo di prova disponibile / Available testing method / Methode d'essai disponible / Verfügbare Prüfmethode / Método de ensayo disponible | RESIST - RESISTANT / RESIST - RESISTANT / RESIST - RESISTANT                                                                                                                                                                                                                                                                  |          |            | ISO 10545-9                                                 |             |
|                                                       | RESISTENZA AL GELO / FROST RESISTANCE / RESISTANCE AU GEL / FROSTWIDERHAFT / RESISTENCIA ALA HELADA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | RESIST - RESISTANT / RESIST - RESISTANT / RESIST - RESISTANT                                                                               | RESIST - RESISTANT / RESIST - RESISTANT / RESIST - RESISTANT                                                                                                                                                                                                                                                                  |          |            | ISO 10545-12                                                |             |
|                                                       | RESISTENZA ALLE MACCHIE / RESISTANCE TO STAINING / RESISTANCE AUX TACHES / FLECKWIDERSTAND / RESISTENCIA A LAS MANCHAS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Metodo di prova disponibile / Available testing method / Methode d'essai disponible / Verfügbare Prüfmethode / Método de ensayo disponible | Classe 4-5                                                                                                                                                                                                                                                                                                                    | Classe 5 | Classe 4-5 | ISO 10545-14                                                |             |
|                                                       | HAZARDOUS SUBSTANCE RESISTANCE / RESISTANCE TO HAZARDOUS SUBSTANCES / POIT DE SUBSTANCES DANGEREUSES / RESISTENZUNG GEFÄHRDUNGSSTOFFE / RESISTENCIA DE SUSTANCIAS PELIGROSAS / CASIMIO (in inglese) / PÉLIGRO (in inglese)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Metodo di prova disponibile / Available testing method / Methode d'essai disponible / Verfügbare Prüfmethode / Método de ensayo disponible | CONFORME/CONFORME/CONFORME/CONFORME                                                                                                                                                                                                                                                                                           |          |            | DM-1-3-2007-Reg. CE-1935/2004                               |             |
|                                                       | RESISTENZA A BASSE CONCENTRAZIONI DI ACIDI E ALKALI / RESISTANCE TO LOW CONCENTRATIONS OF ACIDS AND ALKALI / RESISTANCE A BASSES CONCENTRATIONS D'ACIDES ET D'ALCALIS / WIDERSTAND GEGEN NIEDRIGE KONZENTRIERTEN SÄUREN UND LAUGEN / RESISTENCIA A BAJAS CONCENTRACIONES DE ÁCIDOS Y ALKALIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | TESTE EN BASSE CONCENTRATION / LOW CONCENTRATION DECLARATION / RESISTENCIA EN BASSE CONCENTRACIÓN / RESISTENCIA EN BASSE CONCENTRACIÓN     | LB                                                                                                                                                                                                                                                                                                                            | LA       | LB         | ISO 10545-13                                                |             |
|                                                       | RESISTENZA AI PRODOTTI CHIMICI E AGLI ADDITIVI PER PISCINE / RESISTANCE TO DOMESTIC CHEMICAL PRODUCTS AND ADDITIVES FOR SWIMMING POOLS / RESISTANT AUX PRODUITS CHIMIQUES A USAGE DOMESTIQUE ET AUX ADDITIFS POUR PISCINE / WIDERSTAND GEGEN HAUSHALTS-KEIMIKALIEN UND -SCHWIMMBADZUSATZSTOFFEN / RESISTENCIA A PRODUCTOS QUÍMICOS PARA LIMPIEZA DOMESTICA Y ADITIVOS PARA PISCINAS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | MIN B                                                                                                                                      | A                                                                                                                                                                                                                                                                                                                             |          |            |                                                             |             |
|                                                       | COEFFICIENT D'ATTEINT (SCOLLOSTITÀ) / FRICTION COEFFICIENT (SLIPPERINESS) / COEFFICIENT DE FRICTION (SCOLESTI) / REIBKOEFFIZIENT (SCHLUPFGEFÄHRDE) / COEFFICIENTE DE ANTI DESLIZAMIENTO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                            | 10° < B ≤ 19° R10                                                                                                                                                                                                                                                                                                             |          |            | DIN EN 16165 ANNEX B                                        |             |
|                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                            | 18° < B ≤ 24° classe B                                                                                                                                                                                                                                                                                                        |          |            | DIN EN 16165 ANNEX A                                        |             |
|                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                            | > 0,42 wet                                                                                                                                                                                                                                                                                                                    |          |            | ANSI A 326.3                                                |             |

Per un'offerta speciale della zona, l'area di aggancio di max. 2 mm di spessore per ogni metro quadrato di 3 mm per i ceramici non forati in serie. Per sistemi di installazione in serie, l'area di aggancio di max. 2 mm di spessore per ogni metro quadrato di 3 mm per i ceramici non forati in serie. Per sistemi di installazione in serie, l'area di aggancio di max. 2 mm di spessore per ogni metro quadrato di 3 mm per i ceramici non forati in serie. Per sistemi di installazione in serie, l'area di aggancio di max. 2 mm di spessore per ogni metro quadrato di 3 mm per i ceramici non forati in serie. Per sistemi di installazione in serie, l'area di aggancio di max. 2 mm di spessore per ogni metro quadrato di 3 mm per i ceramici non forati in serie. Per sistemi di installazione in serie, l'area di aggancio di max. 2 mm di spessore per ogni metro quadrato di 3 mm per i ceramici non forati in serie. 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Per un effetto ottimale della pila, l'orientamento di massima è 2 mm di luce per ogni metro quadrato a 3 mm per carrelli a forma ovale. / For optimal visual effect, the orientation of maximum is 2 mm of light per square meter and 3 mm for oval shaped carrelli. / Pour un effet optimal de la pile, l'orientation de maximum est 2 mm de lumière par mètre carré et 3 mm pour carreaux ovales. / Para lograr un efecto óptimo de la pila, la orientación de máxima es 2 mm de luz por metro cuadrado y 3 mm por carreaos ovales. / Para lograr un efecto óptimo de la pila, la orientación de máxima es 2 mm de luz por metro cuadrado y 3 mm por carreaos ovales.



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

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# ONYX&MORE

GRES FINE PORCELLANATO/FINE PORCELAIN STONWARE/GRES CERÁME FIN/FENSTEINZEUG-KOLLEKTIONEN/GRES PORCELÁNICO FINO  
SQUADRATO - SQUARED - EQUARRI - REKTIFIZERT - ESQUADRADO

20 mm 3/4" 

| CARATTERISTICHE TECNICHE - TECHNICAL CHARACTERISTICS - CARACTERISTIQUES TECHNIQUES - TECHNISCHE EIGENSCHAFTEN - CARACTERÍSTICAS TÉCNICAS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                          |           |                                                                                         |         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------|---------|
| Laste in gres fine porcellanato non smaltati. Paralleli di ceramica pressata a secco. Ceramische di qualità secondo i test di controllo previsti dalla norma EN 1443-ISO 10545-Appendice G gruppo B1a UGL / Unglazed ceramic stoneware tiles. Dry pressed ceramic tiles. Quality specifications according to control tests of EN 1443-ISO 10545-Appendix G group B1a UGL / Cables en gres cerame fin non smaltés. Carames vitrifiées pressées à sec. Caractéristiques de qualité d'après les essais de contrôle norme EN 1443-ISO 10545-Appendix G groupe B1a UGL / Nicht glasierte feinsintergeschaltete Fliesen gepresst. Feinsintergeschaltete Fliesen gepresst. Qualitätsanforderungen nach Normen EN 1443-ISO 10545-Anhang G Gruppe B1a UGL / Planchas de gres pastado sin esmalteado. Planchas de cerámica pastada sin esmalteado. Características de calidad según las Normas EN 1443-ISO 10545-Appendix G grupo B1a UGL. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PRESCRIZIONE<br>STANDARD REQUIREMENTS<br>PRÉSCRIPTIONS<br>ANFORDERUNGEN<br>PRESCRIPCIÓN                                                                                                                                                                                                  |           | RISULTATI TESTI<br>TEST RESULTS<br>RÉSULTATS DES ESSAIS<br>PRÉFÉRÉS<br>RESULTADOS TESTS |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | N = 15 tiles                                                                                                                                                                                                                                                                             |           | X/F                                                                                     |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | (%)                                                                                                                                                                                                                                                                                      |           | (mm)                                                                                    |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | UNIFORMITÀ E LARGHEZZA DEVIAZIONE AMMISSIBILE IN % DELLA CARENTESE MEDIA DI OGNI PASTIGLIA DALLA SUA DIMENSIONE / UNIFORMITY AND LENGTH DEVIATION IN % OF THE AVERAGE THICKNESS OF EACH TILE FROM THE PRODUCTION DIMENSIONS / LONGUEUR ET LARGUEUR VARIE DE TOLERANCE EN % ENTRE LA DIMENSION MOYENNE DE CHAQUE CARREAU ET LA DIMENSION DE FABRICATION / LANGE UND BREITE DES ZIEGELN ABWEICHEN VOM DURCHSCHNITTSMÄßIGEN PASTIGLADIMENSIONEN IN PROZENTEN / LARGO Y ANCHO DESVIACIÓN ADMISIBLE EN % DEL TAMAÑO MEDIO DE CADA PASTIGIA A PARTIR DEL TAMAÑO DE FABRICACIÓN    | Sequenza<br>ISO 10545-2                                                                                                                                                                                                                                                                  | ±0.3 %    | ±0.3 mm                                                                                 | ±0.15 % |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DEVIAZIONE AMMISSIBILE IN PROZENTEN DER DURCHSCHNITTSMÄßIGEN PASTIGLADIMENSIONEN IN % DER AVERAGE THICKNESS OF EACH TILE FROM THE PRODUCTION DIMENSIONS / ABWEICHEN VOM DURCHSCHNITTSMÄßIGEN PASTIGLADIMENSIONEN IN % DER DURCHSCHNITTSMÄßIGEN PASTIGLADIMENSIONEN IN PROZENTEN / DES ÉPAISSEUR MOYENNE DE CHAQUE CARREAU ET LA DIMENSION DE FABRICATION / LANGE UND BREITE DES ZIEGELN ABWEICHEN VOM DURCHSCHNITTSMÄßIGEN PASTIGLADIMENSIONEN IN PROZENTEN / DESVIACIÓN ADMISIBLE EN TANTO POR CIENTO DEL GRUESO MEDIO DE CADA PASTIGIA A PARTIR DEL TAMAÑO DE FABRICACIÓN | Squadrato<br>ISO 10545-2                                                                                                                                                                                                                                                                 | ±5 %      | ±0.5 mm                                                                                 | ±5 %    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DEVIAZIONE MASSIMA DI RETTILINEITÀ IN PROZENTEN IN RAPPORTO ALLE DIMENSIONI DI FABBRICAZIONE CORRESPONDENTI / MAXIMUM STRAIGHTNESS DEVIATION IN % IN RELATION TO THE CORRESPONDING PRODUCTION DIMENSIONS / VARIE DE TOLERANCE DE RECTITUDE EN POURCENTAGE PAR RAPPORT AUX DIMENSIONS DE FABRICATION CORRESPONDANTES / ZIEGELN HOCHSTRECHENMÄßIGKEIT DER HÄUTERRECHTIGKEIT IN VERHÄLTNIS ZU DEN HÄUTERRECHTIGKEITEN HÖCHSTWERTEN IN PROZENTEN / DESVIACIÓN MÁXIMA DE LA OPOSICIONALIDAD EN TANTO POR CIENTO EN RELACIÓN CON EL TAMAÑO DE FABRICACIÓN CORRESPONDIENTE         | Squadrato<br>ISO 10545-2                                                                                                                                                                                                                                                                 | ±0.3 %    | ±0.8 mm                                                                                 | ±0.10 % |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DEVIAZIONE MASSIMA DI OPOSICIONALITÀ IN PROZENTEN IN RAPPORTO ALLE DIMENSIONI DI FABBRICAZIONE CORRESPONDENTI / MAXIMUM RIGHT-ANGLE DEVIATION IN % IN RELATION TO THE CORRESPONDING PRODUCTION DIMENSIONS / MARGE DE TOLERANCE D'ANGLE EN POURCENTAGE PAR RAPPORT AUX DIMENSIONS DE FABRICATION CORRESPONDANTES / DES RECHTENWINKELN IN VERHÄLTNIS ZU DEN HÄUTERRECHTIGKEITEN HÖCHSTWERTEN IN PROZENTEN / DESVIACIÓN MÁXIMA DE LA OPOSICIONALIDAD EN TANTO POR CIENTO EN RELACIÓN CON EL TAMAÑO DE FABRICACIÓN CORRESPONDIENTE                                              | Squadrato<br>ISO 10545-2                                                                                                                                                                                                                                                                 | ±0.3 %    | ±1.5 mm                                                                                 | ±0.2 %  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | PLANARITÀ SUPERFICIALE DEL CENTRO DELLO SPIGOLI E SVEROGLIAMENTO / FLATNESS CURVING IN THE MIDDLE CORNER AND SVEROGLIAMENTO / PLANÉITÉ COURBURE CENTRALE DE L'ARÊTE ET GAUCHÈREMENT / EBENHEIT KURVEN IN DER MITTE UND VERWÄNDUNG / PLANÉITÉ PLANARITÉ DEL CENTRO DE LA ARISTA Y MARQUELAMENTO                                                                                                                                                                                                                                                                              | Squadrato<br>ISO 10545-2                                                                                                                                                                                                                                                                 | ±0.4 %    | ±1.8 mm                                                                                 | ±0.35 % |
| QUALITÀ DELLA SUPERFICIE - SURFACE QUALITY / QUALITÉ DE LA SURFACE - QUALITÉ DER OBERFLÄCHE / CALIDAD DE LA SUPERFICIE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | A 100x100 mm della pastiglia deve essere esente da difetti visivi / At least 100x100 mm tile must be free from visible defects. 100x100 mm tile must be free from visible defects. 100x100 mm tile must be free from visible defects. 100x100 mm tile must be free from visible defects. |           | CONFORME / CONFORMING<br>CONFORME / KONFORM<br>CONFORME                                 |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | MASSA D'ACQUA ASSORBITA IN g/m² / WATER ABSORPTION - MARGE DE L'ABSORPTION EN g/m² / WASSERAUFNAHME IN g/m² / MASSE DES WASSERES                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                          | ≤0.05 %   | valore medio 0.08 %                                                                     |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | FORZA DI ROTTURA IN N (kg) / 10 mm / BREAKING STRENGTH IN N (kg) / 10 mm / FORCE DE RUPTURE EN N (kg) / 10 mm / BRECHKRAFT IN N (kg) / 10 mm / FUERZE DER RUPTUR EN N (kg) / 10 mm                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                          | ≥1300 N   | CONFORME / CONFORMING<br>CONFORME / KONFORM<br>CONFORME                                 |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | RESISTENZA ALLA FLESSIONE IN N/mm² / FLEXURAL STRENGTH TEST / RESISTANCE À LA FLEXION EN N/mm² / RESISTANCE À LA FLEXION EN N/mm²                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                          | ≥85 N/mm² | valore medio 52 N/mm²                                                                   |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | RESISTENZA ALL'ABRASIONE PROPORZIONALE DELLE PASTIGLIE NON SMALTATE / RESISTANCE TO DEEP ABRASION OF UNGLAZED TILES / RESISTANCE À L'ABRASION PROPORTIONNELLE DES CARREAUX NON GLAZÉS / TIEFENABRIERTHEIT UNGLASIRTER FLIESEN / RESISTENCIA A LA ABRASIÓN PROPORCIONAL DE LAS PASTIGIAS SIN ESMALTADO                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                          | ≤175 mm³  | valore medio 140 mm³                                                                    |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | RESISTENZA AGLI UOGLI TERMICI / THERMAL SHOCK RESISTANT / RESISTANCE AUX VARIATIONS THERMIQUES THERMAL / WÄRMESCHOCKRESISTANT / RESISTENCIA AL CHOCQUE TÉRMICO                                                                                                                                                                                                                                                                                                                                                                                                              | Metodo di prova disponibile<br>Available testing method<br>Méthode d'essai disponible<br>Verfügbare Prüfverfahren<br>Método de ensayo disponible                                                                                                                                         |           | RESISTE - RESISTANT<br>RESISTE - ERFÜLLT<br>RESISTE                                     |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | RESISTENZA ALLE MACCHIE / RESISTANCE TO STAINING / RESISTANCE AUX TACHES / FLECKENABWISSEN / RESISTENCIA A LAS MANCHAS                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Metodo di prova disponibile<br>Available testing method<br>Méthode d'essai disponible<br>Verfügbare Prüfverfahren<br>Método de ensayo disponible                                                                                                                                         |           | Classe 4                                                                                |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | RESISTENZA A BASI: CONCENTRAZIONI DI ACIDI E ALCALI / RESISTANCE TO LOW CONCENTRATIONS OF ACIDS AND ALKALI / RESISTANCE À DES CONCENTRATIONS FAIBLES D'ACIDES ET D'ALCALIS / WIDERSTAND GEGEN NIEDRIGE KONZENTRATIONEN VON SÄUREN UND ALKALIEN / RESISTENCIA A BAJAS CONCENTRACIONES DE ÁCIDOS Y ALCALIS                                                                                                                                                                                                                                                                    | TESTE FORMANDO SUL PRODOTTORE<br>TEST MANUFACTURING ON THE PRODUCER<br>ESSAIS FORMANT SUR LE PRODUCTEUR<br>PRÜFUNG BEI DER HERSTELLUNG<br>PRUEBAS FORMANDO EN EL PRODUCTOR                                                                                                               |           | HA                                                                                      |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | RESISTENZA A ACIDI: CONCENTRAZIONI DI ACIDI E ALCALI / RESISTANCE TO HIGH CONCENTRATIONS OF ACIDS AND ALKALI / RESISTANCE À DES CONCENTRATIONS ÉLEVÉES D'ACIDES ET D'ALCALIS / WIDERSTAND GEGEN HOHE KONZENTRATIONEN VON SÄUREN UND ALKALIEN / RESISTENCIA A ALTAS CONCENTRACIONES DE ÁCIDOS Y ALCALIS                                                                                                                                                                                                                                                                      | Metodo di prova disponibile<br>Available testing method<br>Méthode d'essai disponible<br>Verfügbare Prüfverfahren<br>Método de ensayo disponible                                                                                                                                         |           | LA                                                                                      |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | RESISTENZA AI PRODOTTI CHIMICI DI USO DOMESTICO E AGGIUNTIVI PER PISCINE / RESISTANCE TO DOMESTIC CHEMICAL PRODUCTS AND ADDITIVES FOR SWIMMING POOLS / RESISTANCE AUX PRODUITS CHIMIQUES À USAGE DOMESTIQUE ET AUX AJOUTS POUR PISCINE / WIDERSTAND GEGEN HAUSHALTS-KEIMSTOFFEN UND SCHWIMMBADZUSATZSTOFFEN / RESISTENCIA A PRODUCTOS PARA LA CASA DOMÉSTICA Y ADITIVOS PARA PISCINAS                                                                                                                                                                                       | B 1001                                                                                                                                                                                                                                                                                   |           | A                                                                                       |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | RESISTENZA AL GELO / FROST RESISTANCE - RESISTANCE AU GEL / FROSTRESISTENZ - RESISTENCIA A LA HELADA                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | RECHISTE / REQUIRED<br>RECHISTE / DEPOSITET<br>RECHISTE                                                                                                                                                                                                                                  |           | RESISTE - RESISTANT<br>RESISTE - ERFÜLLT<br>RESISTE                                     |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | COEFFICIENTE D'INTRITO POCOGLISMA / FRICTION COEFFICIENT SLIPPERINESS / COEFFICIENT DE FRICTION (SLIPPERINESS) / REIBKOEFFIZIENT SCHLUPFRISSE / COEFICIENTE DE ATRITO (SLIPPERINESS)                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                          |           | ≤ 0.40                                                                                  |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                          |           | ≤ 0.42 wet                                                                              |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                          |           | 19° < α ≤ 27°<br>RII                                                                    |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                          |           | α ≥ 24°<br>classe C                                                                     |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                          |           |                                                                                         |         |

Per un'ottima aderenza della stesa, non suggeriamo di stendere 2 mm di lega per ogni metro quadrato di 2 metri per ogni metro quadrato. Per un'ottima installazione, non suggeriamo di stendere 2 mm di lega per ogni metro quadrato di 2 metri per ogni metro quadrato. For a perfect adhesion of the tiles, we do not recommend applying a 2 mm layer of mortar for every square meter of 2 meters by 2 meters. For a perfect installation, we do not recommend applying a 2 mm layer of mortar for every square meter of 2 meters by 2 meters. Für eine optimale Haftung der Fliesen, empfehlen wir nicht, 2 mm Mörtel pro Quadratmeter aufzutragen. Für eine optimale Installation, empfehlen wir nicht, 2 mm Mörtel pro Quadratmeter aufzutragen. Para una perfecta adherencia de la pastilla, no recomendamos aplicar una capa de 2 mm de mortero por metro cuadrado de 2 metros por metro cuadrado. Para una perfecta instalación, no recomendamos aplicar una capa de 2 mm de mortero por metro cuadrado de 2 metros por metro cuadrado.



Importer Details:  
European Ceramic Tiles Ltd  
Address: 7A Cowley Place, Rosedale, AKL 0632  
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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](#)**



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## 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.

## 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.



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

- 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.



Importer Details:  
 European Ceramic Tiles Ltd  
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