



European
Ceramics

FLOWTECH 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:	FLOWTECH RANGE - VARIOUS COLOURS/FINISHES/SIZES/THICKNESS
Product Identifier:	Refer to tile name and product code on paperwork/packaging.
Product Description:	A glazed porcelain tile and a water absorption rate of less than 0.50% designed as a finished product to complete the chosen aesthetic of a building project.
Intended Use:	Porcelain tiles from this range can be installed in line with NZ Building Code requirements and BRANZ best practices. Porcelain tiles are an aesthetic finish to a surface not intended to be load bearing or structural.
Country of Origin:	Italy

Building Code Obligations

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

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



Importer Details:

European Ceramic Tiles Ltd

Address: 7A Cowley Place, Rosedale, AKL 0632

NZBN: 9429037294571

Website: euroceramics.co.nz

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

Building Code References

B2 – Durability

Compliance with B2 Durability is about providing evidence that the product will meet the relevant durability life in the context of the environment in which it will be located.

The building code sets out the framework for establishing the relevant durability life of building elements based on a number of criteria. B2/AS1 provides a decision tree to establish the relevant durability for common building materials in different circumstances.

Having determined the durability of the product, the next step is to determine if the product, when exposed to the environment, will continue to perform for the relevant period. A key tool which a product supplier can consider in claiming compliance is limiting the environment in which the product will be exposed to (e.g. a ferrous material used in an indoor environment will last longer than it would when exposed to salt spray — in this example it would be appropriate for the supplier to condition the compliance information to use only in indoor environments).

C3 – Fire affecting areas beyond the source

C3 Fire affecting areas beyond the fire source is primarily about ensuring that fire does not spread from a fire in the building (in both vertically and horizontally) and from an adjacent building.

The prime product attribute used is the fire resistance rating (FRR) methodology. In most cases a product is combined with other products to achieve a FRR (e.g. an external wall fire rating may be formed by the combination of the external cladding, thermal insulation and the internal lining).

C/AS1 and C/AS2 set out performance criteria for buildings and in particular the FRR requirements for various types of buildings and parts of buildings. Appendix C of C/AS2 sets out test methods for the building elements involved in spread of fire. Appendix B of C/AS2 sets out performance criteria for sprinkler systems while Appendix A sets out criteria for fire safety systems such as alarms and hydrants.

D1 – Access routes

For D1 access routes, in most cases product-related compliance for access routes is slip resistance for floors and the shapes/locations etc of handrails. The Acceptable Solution for access D1/AS1 and NZS 4121:2001 provide good information on compliance for products on access routes.

E3 – Internal Moisture

E3 Internal Moisture is about ensuring that moisture created within the building does not lead to mould or damage to adjacent buildings or structural elements in the building in which it is installed.

Prevention of the creation of mould is a combination of temperature, insulation and ventilation. Prevention of water damaging other building elements is mainly about installation details (i.e. sealing joints) as well as impervious products. E3/AS1 provides some useful design details, albeit without much product material information.

G3 – Food preparation and prevention of contamination

G3 Food preparation and prevention from contamination for a product (such as a kitchen bench) is mainly associated with being easily cleaned and impervious. G3/AS1 provides some general design details for food preparation areas but has no referenced product standards, although the document does state some acceptable materials used for surfaces. Compliance with G3/AS1 is not mandatory but provides a good benchmark for compliance.



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G6 – Airborne and Impact Sound

For a product, G6 Airborne and impact sound is generally about systems which are designed to work together to achieve the necessary sound attenuation.

The code itself at G6.3.2 sets a quantifiable performance level: “The Sound Transmission Class of walls, floors and ceilings, shall be no less than 55” and G6.3.2 sets the impact insulation class of floors shall be no less than 55. The Acceptable Solution G6/AS1 sets out the transmission and impact insulation class of common wall systems. G6/VM1 sets out test methodologies where the details do not match those of G6/AS1.

Limitations of Use

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

<i>Suitability *</i>	<i>Residential</i>	<i>Light Commercial</i>	<i>Commercial</i>
Indoor Floor	*	*	*
Indoor Walls	*	*	*
Outdoor Cladding	*	*	*
Frost Resistant	*	*	*
Swimming Pool Submerged	*	*	*
Swimming Pool Surround	*	*	*
Paving/External	*	*	*
Over Underfloor Heating	*	*	*
Kitchen wall	*	*	*
Within 1.5m of a Plumbing Fixture or Fitting	*	*	*



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Manufacturer Information

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

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

Email Address: info@florim.com

Technical Information

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

FLOWTECH

GRES FINE PORCELLANATO/FINE PORCELAIN STONEWARES/GRES CERAME FIN/FINESTEINZEUG-KOLLEKTIONEN/GRES PORCELANICO FINO
SQUADRATO - SQUARED - EQUARRI - REKTIFIZERT - ESQUADRADO

9 mm 3/8"

CARATTERISTICHE TECNICHE - TECHNICAL CHARACTERISTICS - CARACTERISTIQUES TECHNIQUES - TECHNISCHE EIGENSCHAFTEN - CARACTERÍSTICAS TÉCNICAS						
	Lattine in gres fine porcellanato non smaltate. Pastiglie di ceramica pressate a secco. Caratteristiche di qualità secondo i test di controllo previsti dalla norma EN 14411-ISO 13006. Appartono al gruppo B1a UGL. Unglazed porcelain stoneware tiles. Dry pressed ceramic tiles. Quality specifications, according to control rules of EN 14411-ISO 13006. Appartenen al grupo B1a UGL. / Tiles en gres-cerame fin non smalté. Carreaux céramiques pressés à sec. Caractéristiques de qualité d'après les essais de contrôle norme EN 14411-ISO 13006. Appartent au groupe B1a UGL. Nicht glasierte und vollständig porzellan feinsteinzeuggepresste Fliesen gehören der Gruppe B1a UGL. / Planchas de gres porcelánico fino no esmaltado. Blistones de cerámica fina presados a seco. Características de calidad según las normas EN 14411-ISO 13006. Apparteen al grupo B1a UGL.	PRESCRIZIONE STANDARD REQUIREMENTS PRESCRIPTIONS ANFORDERUNGEN PRESCRIPCION	RISULTATI TESTS TEST RESULTS RESULTATS DES ESSAIS PRÜFERERGEBNIS RESULTADOS TESTS	REFERIMENTO NORMA REFERENCE STANDARD RÉFÉRENCE NORME STANDARTWERT REFERENCIA NORMA		
		N ≥ 15 cm				
		(%)	(mm)	max		
	LUNGHEZZA E LARGHEZZA: DEVIAZIONE AMMISSIBILE, IN %, DELLA DIMENSIONE MEDIA DI OGNI PASTIGLIA DALLA DUE DI FABBRICAZIONE / LENGTH AND WIDTH ADMITTED DEVIATION, IN %, OF THE AVERAGE SIZE OF EACH TILE FROM THE PRODUCTION / LONGUEUR ET LARGEUR: MARGE DE TOLÉRANCE, EN %, ENTRE LES DIMENSIONS MOYENNES DE CHAQUE CARREAU ET LA DUE DE FABRICATION / LARGA UND BREITE ZUGELASSENE ABWEICHUNG DES DURCHSCHNITTSGRÖßES JEDER FLIEß VOM HERSTELLER IN PROZENTEN / LARGO Y ANCHO DESEMBOCADASIBLE, EN %, DEL PROMEDIO MEDIO DE CADA UNICIÓN A PARTIR DEL TALLADO DE FABRICACIÓN	SQUADRATO (ISO 13006)	±0,3 %	±1,0 mm	±0,15 %	
	DEVIAZIONE AMMISSIBILE, IN PERCENTO, DELL'ESLICCIA MEDIO DI OGNI PASTIGLIA DALLA DIMENSIONE DI FABBRICAZIONE / ADMITTED DEVIATION, IN %, OF THE AVERAGE THICKNESS OF EACH TILE FROM THE PRODUCTION / ÉCART ADMIS, EN POURCENTAGE, ENTRE LES DIMENSIONS MOYENNES DE CHAQUE CARREAU ET LA DIMENSION DE FABRICATION / ZUGELASSENE ABWEICHUNG DER DURCHSCHNITTSGRÖßES JEDER FLIEß VOM HERSTELLER IN PROZENTEN / DEVIACIÓN ADMISIBLE, EN TANTO POR CIENTO, DEL GRUPO MEDIO DE CADA UNICIÓN A PARTIR DEL TALLADO DE FABRICACIÓN	SQUADRATO (ISO 13006)	±5 %	±0,5 mm	±5 %	
	DEVIAZIONE MASSIMA DI RETTILINEARITÀ, IN PERCENTO, IN RAPPORTO ALLE DIMENSIONI DI FABBRICAZIONE (CORRESPONDENT) / MAXIMUM STRAIGHTNESS DEVIATION, IN %, IN RELATION TO THE CORRESPONDING PRODUCTION DIMENSIONS / MARGE DE TOLÉRANCE, EN POURCENTAGE, PAR RAPPORT AUX DIMENSIONS DE FABRICATION, CORRESPONDANTES / ZUGELASSENE ABWEICHUNG DER KANTENGERADHEIT IM VERHÄLTNIß ZU DEN ENTSPRECHENDEN HERSTELLERMAßEN IN PROZENTEN / DESVIACIÓN MÁXIMA DE RECTITUD, EN TANTO POR CIENTO, EN RELACIÓN CON EL TALLADO DE FABRICACIÓN CORRESPONDIENTE	SQUADRATO (ISO 13006)	±0,3 %	±0,8 mm	±0,10 %	
	DEVIAZIONE MASSIMA DI ORTOGONALITÀ, IN PERCENTO, IN RAPPORTO ALLE DIMENSIONI DI FABBRICAZIONE (CORRESPONDENT) / MAXIMUM RIGHT-ANGLE DEVIATION, IN %, IN RELATION TO THE CORRESPONDING PRODUCTION DIMENSIONS / MARGE DE TOLÉRANCE D'ANGULARITÉ, EN POURCENTAGE, PAR RAPPORT AUX DIMENSIONS DE FABRICATION, CORRESPONDANTES / ZUGELASSENE ABWEICHUNG DER RECHTHALIGKEIT IM VERHÄLTNIß ZU DEN ENTSPRECHENDEN HERSTELLERMAßEN IN PROZENTEN / DESVIACIÓN MÁXIMA DE LA ORTOGONALIDAD, EN TANTO POR CIENTO, EN RELACIÓN CON EL TALLADO DE FABRICACIÓN CORRESPONDIENTE	SQUADRATO (ISO 13006)	±0,3 %	±1,5 mm	±0,2 %	
	PIANITÀ E CURVATURA DEL CENTRO DELLO ENDOLO E DELL'ESLAMBITO / FLATNESS / CURVING IN THE MIDDLE, CORNER AND WARPING / PLATITE / ECUSSURE CONTINUE, DE CARTE ET GAMBEMENT / ECKENKURVEN / KURVUNG DER MITTE, DER KANTE UND VERWÖRUNGEN / PLANITUD: CURVATURA DEL CENTRO, DE LA ARISTA Y PARABOLIZAMIENTO	SQUADRATO (ISO 13006)	±0,4 %	±1,8 mm	±0,35 %	
	QUALITÀ DELLA SUPERFICIE - SURFACE QUALITY / QUALITÉ DE LA SURFACE - QUALITÄT DER OBERFLÄCHE / CALIDAD DE LA SUPERFICIE	Il 90% min delle superfici deve essere esente da difetti visibili / At least 90% of the surfaces must be free from visible flaws. 90% min des carreaux ne doivent présenter aucun défaut visible. 90% min der Fliesen müssen frei von sichtbaren Fehlern sein. 90% min de las baldosas, serán que estar exentas de defectos visibles.		CONFORME CONFORMING CONFORME KONFORM CONFORME		
	MASA CHIOCCA ASSORBITA IN % / WATER ABSORPTION - MARGE D'EAU ABSORBÉE EN % / WASSERANNAHME IN % / MASA DE AGUA ASORBIIDA EN %		E ≤ 0,5 %		valore medio 0,08 %	ISO 10545-3
	FORZA DI ROTTURA IN N / Tg. ≥ 7,5 mm² - BREAKING STRENGTH IN N / Tg. ≥ 7,5 mm² / FORCES DE RUPTE EN N / Tg. ≥ 7,5 mm² / RUCHTSTÄRKE IN N / Tg. ≥ 7,5 mm² / FUERZA DE RUPTE EN N / Tg. ≥ 7,5 mm²		1300 mm		valore medio 2200 N	ISO 10545-4
	RESISTENZA ALLA FLESSIONE IN N/mm² / Keros® - FLEXURAL STRENGTH TEST / RESISTANCE À LA FLEXION EN N/mm² / RESISTENCIA EN N/mm² / RESISTENCIA A LA FLEXIÓN EN N/mm²		35 mm		valore medio 50 N/mm²	ISO 10545-4
	RESISTENZA ALL'IMPATTO PROFONDA DELLE PASTIGLIE NON SMALTATE / RESISTANCE TO DEEP IMPACT OF UNGLAZED TILES / RESISTANCE À L'IMPACT PROFONDE DES CARREAUX NON ÉMAILLÉS / TREFFNADRESISTENZ TIEFENGEWALTTESTER FLIEßEN / RESISTENCIA A LA IMPACTO PROFUNDA DE LAS BALDOSES SIN ESMALTAR		<175 mm		valore medio 140 mm	ISO 10545-6
	RESISTENZA ALLO SHOCK TERMICO / THERMAL SHOCK RESISTANT / RESISTANCE AUX VARIATIONS THERMIQUES / THERMOSCHOCKWIDERSTÄNDIGKEIT / RESISTENCIA AL CHOQUE TÉRMICO	Metodo di prova disponibile / Available test method Método d'essai disponible / Méthode d'essai disponible Método de ensayo disponible		RESISTE - RESISTANT RESISTE - FULLY RESISTE		ISO 10545-9
	RESISTENZA ALLE MACCHIE / RESISTANCE TO STAINING / RESISTANCE AUX TACHES / FLECKENABWIDERNDIGKEIT / RESISTENCIA A LAS MANCHAS	Metodo di prova disponibile / Available test method Método d'essai disponible / Méthode d'essai disponible Método de ensayo disponible		Classe 4		ISO 10545-14
	RESISTENZA A BASI CONCENTRAZIONI DI ACIDI E ALCALI / RESISTANCE TO LOW CONCENTRATIONS OF ACIDS AND ALKALIS / RESISTANCE À BASSES CONCENTRATIONS D'ACIDES ET D'ALCALS / WIDERSTAND GEGEN NIEDRIGE KONZENTRATIONEN VON SÄUREN UND LAUGEN / RESISTENCIA A BAJAS CONCENTRACIONES DE ÁCIDOS Y ALCALIS	CONC. DICOMATICA DAL PRELUSTRORE DES MANCHAS / UNITS DE LUSTRE SUCEDIDO ÁCIDICA DEL PRODUCTO ENTRERESISTENCIA CON PRELUSTRORE EN EL CASO DECLARACIÓN EN EL CASO		LA		ISO 10545-13
	RESISTENZA A ALTE CONCENTRAZIONI DI ACIDI E ALCALI / RESISTANCE TO HIGH CONCENTRATIONS OF ACIDS AND ALKALIS / RESISTANCE À HAUTES CONCENTRATIONS D'ACIDES ET D'ALCALS / WIDERSTAND GEGEN HOHE KONZENTRATIONEN VON SÄUREN UND LAUGEN / RESISTENCIA A ALTAS CONCENTRACIONES DE ÁCIDOS Y ALCALIS	Metodo di prova disponibile / Available test method Método d'essai disponible / Méthode d'essai disponible Método de ensayo disponible		HA		
	RESISTENZA AI PRODOTTI DOMESTICI E AI ADDETTI PER PISCINE / RESISTENCE TO DOMESTIC / CHEMICAL PRODUCTS AND ADDITIVES FOR SWIMMING POOLS / RESISTANT AUX PRODUITS CHIMIQUES À USAGE DOMESTIQUE ET AUX ADITIFS POUR PISCINE / WIDERSTAND GEGEN HAUSWIRTSCHAFTS-UND / SCHWIMMBADZUGABSTOFFEN / RESISTENCIA A PRODUCTOS PARA USO DOMESTICO Y ADITIVOS PARA PISCINAS		B mm		A	
	RESISTENZA AL GELO / FROST RESISTANCE / RESISTANCE AU GEL / FROSTWIDERNDIGKEIT / RESISTENCIA AL HELADA	RICHIESTA / REQUIRED REQUISIT / GEFOHDET REQUERIDA		RESISTE - RESISTANT RESISTE - FULLY RESISTE		ISO 10545-12
	COEFFICIENTE D'ATTRITO (SCALFIDATO) / FRICTION COEFFICIENT (SLIPPERINESS) / COEFFICIENT DE FRICTION (SCALFIDATO) / REIBKOEFFIZIENT (SCHLUPFERIGKEIT) / COEFFICIENTE DE FRIÇÃO (SCALFIDADO)			> 0,42 wet		EN 13813
				6° < α ≤ 10° RR		ANNEX B

Per un effetto ottimale della posa, è importante che la temperatura di posa sia superiore a 5°C e che la temperatura di posa sia superiore a 5°C. Per optimalisatie van de plaatsing, is het belangrijk dat de plaatsingstemperatuur hoger is dan 5°C en dat de temperatuur van de plaatsing hoger is dan 5°C. Para un efecto óptimo de la colocación, es importante que la temperatura de colocación sea superior a 5°C y que la temperatura de colocación sea superior a 5°C. Für ein optimales Verlegen der Fliesen ist es wichtig, dass die Verlege- und die Fliesentemperatur jeweils höher als 5°C sind. Para un efecto óptimo de la colocación, es importante que la temperatura de colocación sea superior a 5°C y que la temperatura de colocación sea superior a 5°C.



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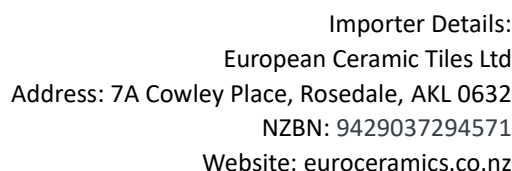
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GRES FINE PORCELLANATO/FINE PORCELAIN STONEWARE/GRES CERAME FIN/FEINSTEINZEUG-KOLLEKTIONEN/GRES PORCELANICO FINO
SQUADRATO - SQUARED - ECUARRI - REKTIFIZIERT - ESQUADRADO

6 mm 1/4"

CARATTERISTICHE TECNICHE - TECHNICAL CHARACTERISTICS - CARACTERÍSTICAS TÉCNICAS - TECHNISCH EIGENSCHAFTEN - CARACTERÍSTICAS TÉCNICAS						
Lastre in gres fine porcellanato non smaltato. Piastrelle di ceramica pressata a secco. Caratteristiche di qualità secondo il tipo di corpo cotto previsto dalla norma EN 14411-ISO 13006 Appendice G gruppo Bta UGL - Unglazed porcelain stoneware tiles. Dry-pressed ceramic tiles. Quality specifications, according to control tests of EN 14411-ISO 13006 Appendix G gruppo Bta UGL / Tiles en grès vitrifié à corps nu sans émail. Caractéristiques techniques prévues à l'usage des caractéristiques relatives de contrôle d'après la norme EN 14411-ISO 13006 Appendice G groupe Bta UGL - Nicht glasurte und vollständig gesinterter Feinsteinzeugplatten. Technische Eigenschaften nach Normen EN 14411-ISO 13006 Anhang G Gruppe Bta UGL - Píntulas de gres porcelánico sin esmalado. Especificas técnicas relativas al control de calidad previstas en las normas EN 14411-ISO 13006 Apéndice G grupo Bta UGL.		PRESCRIZIONE STANDARD REQUIREMENTS PRÉSCRIPTIONS ANFORDERUNGEN PRESCRIPCIÓN	RISULTATI TESTS TEST RESULTS RESULTATS DES ESSAIS PRÜFERERGEBNISSE RESULTADOS TESTS		REFERIMENTO NORMA REFERENCE STANDARD REFERENCIA NORMATIVA STANDARDEWERT REFERENCIA NORMA	
		N ≥ 15 cm				
		(%)	(mm)	media		
	LUNGHEZZA E LARGHEZZA DEVIAZIONE AMMISSIBILE IN % DELLA DIMENSIONE MEDIO DI OGNI PIASTRELLA DALLA LINEA 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 CHACUNE CARRÉE ET LA LIGNE DE FABRICATION / LANGE UND BREITE ZULASSIGE ABWEICHUNG VOM DURCHSCHNITTSMASSE JEDES FLIESEN VOM HERSTELLERS LINIEN IN PROZENTEN / LARGO Y ANCHO DEVIACIÓN ADMISIBLE EN % DEL TAMAÑO MEDIO DE CADA BALDOSA A PARTIR DEL TAMANO DE FABRICACIÓN	Square tiles ISO 13006	±0.3 %	±1.0 mm	±0.15 % ISO 10545-3	
	DEVIAZIONE AMMISSIBILE IN PERCENTO DELLO SPESORE MEDIO DI OGNI PIASTRELLA DALLA DIMENSIONE DI FABBRICAZIONE (ADMITTED DEVIATIONS IN % OF THE AVERAGE THICKNESS OF EACH TILE FROM THE PRODUCTION DIMENSIONS) / MARGE DE TOLÉRANCE EN POURCENTAGE ENTRE L'ÉPAISSEUR MOYENNE CHAQUE CARREL ET LA DIMENSION DE FABRICATION (ZULASSIGE ABWEICHUNG DER DURCHSCHNITTSDICKUNG JEDES FLIESEN VOM HERSTELLERS LINIEN IN PROZENTEN) / DEVIACIÓN ADMISIBLE EN TAUTO POR CIENTO DEL GRÉSICO MEDIO DE CADA BALDOSA A PARTIR DEL TAMAÑO DE FABRICACIÓN	Square tiles ISO 13006	±5 %	±0.5 mm	±5 % ISO 10545-2	
	DEVIAZIONE MASSIMA DI RETTILINEITÀ IN PERCENTO, IN RAPPORTO ALLA DIMENSIONE DI FABBRICAZIONE CORRESPONDENTE / MAXIMUM STRAIGHTNESS DEVIATION IN % IN RELATION TO THE CORRESPONDING PRODUCTION DIMENSIONING / MARGE DE TOLÉRANCE DE RECTITUDE EN POURCENTAGE PAR RAPPORT AUX DIMENSIONS DE FABRICATION (HÖCHSTABWEICHUNG DER RECHT ABWEICHUNG IM VERHÄLTNIß ZU DEN HERSTELLERSMESSEN) / HESTELLMARGE IN PROZENTEN / DEVIACIÓN MÁXIMA DE RECTITUD EN RELACION CON EL TAMAÑO DE FABRICACIÓN CORRESPONDIENTE	Square tiles ISO 13006	±0.3 %	±0.8 mm	±0.10 % ISO 10545-2	
	DEVIAZIONE MASSIMA DI ORTOGONALITÀ IN PERCENTO, IN RAPPORTO ALLA DIMENSIONE DI FABBRICAZIONE CORRESPONDENTE RIGHT-ANGLE DEVIATION IN % IN RELATION TO THE CORRESPONDING PRODUCTION DIMENSIONS / MARGE DE TOLÉRANCE D'ANGULARITÉ EN POURCENTAGE PAR RAPPORT AUX DIMENSIONS DE FABRICATION / HÖCHSTABWEICHUNG DER RECHT ABWEICHUNG IM VERHÄLTNIß ZU DEN HERSTELLERSMESSEN) / HESTELLMARGE IN PROZENTEN / DEVIACIÓN MÁXIMA DE LA CRISTOGONALIDAD EN TAUTO POR CIENTO EN RELACION CON EL TAMAÑO DE FABRICACIÓN CORRESPONDIENTE	Square tiles ISO 13006	±0.3 %	±1.5 mm	±0.20 % ISO 10545-2	
	PLANARITÀ CURVATURA DEL CENTRO, CELLO, SPIGOLO E INVOLUCRAMENTO / PLANITY CURVATURE IN THE MIDDLE, CORNER AND WRAPPING / PLANÉTÉ COURBURE CENTRE, DE LARÊTE ET ENVOUPEMENT / KURVENKURVATUR BEUGUNGSGRÄD MITTE, ZEILEN UNDE WINKELBEREICHE / PLANIDAT KURVATURA DO CENTRA, CELLO E ARROLAMENTO	Square tiles ISO 13006	±0.4 %	±1.8 mm	±0.20 % ISO 10545-2	
	QUALITÀ DELLA SUPERFICIE / SURFACE QUALITY / QUALITÉ DE LA SUPERFICE / QUALITÄT DER OBERFLÄCHE / CALIDAD DE LA SUPERFICIE				ISO 10545-2	
	MAGGIOR ASSORBIBILITÀ IN % / WATER ABSORPTION - MAXIMAL WATER ABSORPTION IN % / WASSERANNAHME IN % / MAGA DE AGUA ABSORCIÓN EN %		≤ 0.5 %		valore medio 0,08 % ISO 10545-3	
	FORCE DI ROTTURA IN N kg ± 7.5 Nkg / BREAKING STRENGTH IN N (peso) ± 7.5 Nkg / FORCE DE RUPTURE EN N kg ± 7.5 Nkg / BRUCHLAST IN N (Gewicht) ± 7.5 Nkg / FUERZA DE ROTTURA EN kg ± 3.5 mkg		≥ 7.00		valore medio 1350 N ISO 10545-4	
	RESISTENZA ALL'USURA IN N/m² / WEAR RESISTANCE TEST METHOD (TAFFERENDUNG) / RESISTANCE TO WEAR / RESISTENCIA AL FROTAMIENTO		35 MIN		valore medio 52 N/mm² ISO 10545-4	
	RESISTENZA ALL'ACIDITÀ / ACID RESISTANCE / RESISTANCE AU SURALCÈTE / RESISTENZ A SAUER / RESISTENCIA A LOS ÁCIDOS / RESISTÊNCIA A ACIDEZ / RESISTENZ A LA ACIDESION / RESISTENCIA A LA ACIDEZ		< 175 mm³		valore medio 140 mm³ ISO 10545-6	
	RESISTENZA AI SHOCK TERMICI / THERMAL SHOCKS RESISTANT / RESISTANCE AUX CHOQUES THERMIQUES / TEMPERATURWIRKUNGSBESTÄNDIGKEIT / RESISTENCIA AL CHOQUE TÉRMICO		Metodo di prova disponibile / Available testing method Méthode d'essai disponible / Prüfverfahren vorhanden Método del ensayo disponible		BUFFET - RESISTANT BUFFET - RESISTANT BUFFET - RESISTANT ISO 10545-9	
	RESISTENZA AL GELO / FROST RESISTANCE / RESISTANCE AU GEL / Frostbeständigkeit / RESISTENCIA A LA HELADA		BUFFET - RESISTANT FROST - RESISTANT FROST - RESISTANT		BUFFET - RESISTANT BUFFET - RESISTANT BUFFET - RESISTANT ISO 10545-12	
	RESISTENZA ALLE MACCHIE / RESISTANCE TO STAINING / RESISTANCE AUX TACHES / Fleckenbeständigkeit / RESISTENCIA A LAS MANCHAS		Metodo di prova disponibile / Available testing method Méthode d'essai disponible / Prüfverfahren vorhanden Método del ensayo disponible		Classe 4 ISO 10545-14	
	RELEASE OF HAZARDOUS SUBSTANCES / RELEASE OF HAZARDOUS SUBSTANCES / LIBERATION DE SUBSTANCES DANGEREUSES / FREISETZUNG GEFAHRLICHER STOFFE / LIBERACIÓN DE SUSTANCIAS PELIGROSAS / LANCAMIENTO DE PELIGROSAS				CONFORME / CONFORMING CONFORME / CONFORMING CONFORME DIN EN 12007 Reg. CE 1915/2004	
	RESISTENZA A BASI CONCENTRAZIONI DI ACIDI E ALCALI / RESISTANCE TO LOW CONCENTRATIONS OF ACIDS AND ALKALIS / RESISTANCE A BASES CONCENTRATIONS FAIBLES / RESISTENZ A SAUER KONZENTRIERTEN / RESISTENCIA A LOS CONCENTRACIONES BAJAS DE ÁCIDOS Y ALCALIS		CODICE DI IDENTIFICAZIONE DEI PRODOTTI PER LE MANIFESTAZIONI DI INCONTAMINAZIONE / IDENTIFICATION CODE FOR CONTAMINATION MANIFESTATIONS / CODIGO PARA LAS MANIFESTACIONES DE CONTAMINACIÓN		L.A.L.E ISO 10545-13	
	RESISTENZA AI PRODOTTI CHIMICI DI USO DOMESTICO E AGILI ADDITIVI PER PAVIMENTI / RESISTENCE TO DOMESTIC CHEMICAL PRODUCTS AND ADDITIVES FOR FINISHING / RESISTENZ A HAUSEMISCHUNGSGUTTER UND AGILZUGABEMITTEL FÜR AUSBAU / RESISTENCIA A PRODUCTOS QUÍMICOS DE USO DOMÉSTICO Y ADITIVOS PARA EMPALME		M.N.B		A ISO 10545-13	
	Coefficiente d'attrito (sciolgosità) / Friction coefficient (slip-resistance) / Coefficient de frottement (glissement) / Reibungskoeffizient (Schluffeigenschaften) / Coeficiente de anti-deslizamiento				6° < α ≤ 10° B9 DIN EN 16165 ANNEX B	
					> 0.42 wet ANSI A 326.3	

Per un'informazione della prova, leggere le istruzioni e il valore 2 mm di spessore per metro quadrato o 4 mm per centimetro quadrato (per la prova di resistenza alla flessione). Per informazioni sulla prova, leggere le istruzioni e il valore 2 mm di spessore per metro quadrato o 4 mm per centimetro quadrato (



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



Fire Resistance

The building code relating to fire rating regulations and standards requires specifiers to provide documentation such as fire certificates for materials used in construction.

Ceramics are in itself a fire-resistant material, mostly being manufactured at over 1200 degrees Celsius. Testing and providing such certification are therefore not relevant to the Ceramics industry.

Ceramic and Porcelain tiles are an inert material, and therefore non-combustible. They do not release fumes or toxic gases in the event of a fire. Porcelain tiles contain no sealants, waxes or other chemicals that could release VOC's into the environment. Ceramics do not pose a risk of spreading or intensifying a fire therefore there is no testing required as they do not contribute to a fire.

EXTRAORDINARY EFFECTS DURING USE PHASE:

Fire: According to /EN 13501-1:2009+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](#)



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

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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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- Maintain appropriate joint widths and setting-out tolerances. The supplier technical sheet included in the existing BPIR should be consulted for product-specific joint guidance.
- Protect the completed installation from traffic, moisture, impact and other loads until the adhesive, grout, sealants and associated systems have cured.
- For further installation information [please refer to this link](#) for porcelain, ceramic & natural stone.

Maintenance Requirements

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



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