SENSI TERRE RANGE

BUILDING PRODUCT INFORMATION REQUIREMENTS (BPIR) – CLASS 1

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

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

Building Code Obligations

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

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

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

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

Building Code References

B2 – Durability

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

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

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

C3 – Fire affecting areas beyond the source

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

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

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

D1 – Access routes

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

E3 – Internal Moisture

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

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

G3 – Food preparation and prevention of contamination

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

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

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

Limitations of Use

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

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

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Manufacturer Information

Address: Via 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

The collection display four different surfaces, all characterized by a natural feeling and a combination of tactility and sensoriality: Naturale, Grana, Rigatino and Cannettato.

NATURALE	R10 — Floor / Wall	9 mm / ⅜"	
GRANA — GRIP	R11 — Floor / Wall	9 mm / ⅜"	20 mm / ¾"
GRANA — NATURALE	R10 — Floor / Wall	6 mm / ¼"	
RIGATINO	R10 — Floor / Wall	9 mm / ⅜"	
CANNETTATO	Rivestimento / Wall	9 mm / ⅜"	

FORMATI Sizes	120×120 cm 47¼"×47¼"	60×120 cm 23⅝"×47¼"	80×80 cm 31½"×31½"	60×60 cm 23⅝"×23⅝"	30×60 cm 11¾"×23⅝"	15×30 cm 6"x11¾"	20×20 cm 7¾"×7¾"	22×20 cm 8½"x7¾"
SPESSORE Thickness	9 mm / ⅜"	9 mm / ⅜"	9 mm / ⅜"	9 mm / ⅜"	9 mm / ⅜"	9 mm / ⅜"	9 mm / ⅜"	9 mm / ⅜"
COTONE	781530	781483	781524	781499	781505	781783	781792	781804
SABBIA	781531	781484	781525	781500	781507	781853	781793	781806
ROSATO	781532	781485	781526	781501	781508	781784	781794	781805

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SENSI TERRE OUTDOOR

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

- Lastra monolitica compatta di spessore 2 cm squadrata e rettificata.
- Compact monolithic slab 2 cm thick squared and rectified.
- Dalle monolithique compacte de 2 cm d'épaisseur, équarrie et rectifiée.
- Kompakte monolithische Platte, 2 cm dick, rechtwinklig und scharfkantig geschliffen.
- Losa monolítica compacta de 2 cm de espesor, escuadrada y rectificada.

- INGELIVO
- FROST RESISTANT
- INGELIF
- FROSTBESTÄNDIG
- RESISTENTE A LA HELADA

- ELEVATA RESISTENZA AI CARICHI STATICI
- HIGH STATIC LOAD RESISTANCE
- RESISTANCE ELEVÉE AUX CHARGES STATIQUES
- HOHE STATISCHE BELASTBARKEIT
- ELEVADA RESISTENCIA A LAS CARGAS ESTÁTICAS

- FACILE DA POSARE
- EASY TO INSTALL
- FACILE À POSER
- VERLEGELEICHT
- FÁCIL DE COLOCAR

- ANTISCIVOLO R11
- ANTI SLIP R11
- ANTIDÉRAPANT R11
- RUTSCHFEST R11
- ANTIDESLIZANTE R11

- RESISTENTE AGLI SBALZI TERMICI
- THERMAL SHOCK RESISTANT
- RÉSISTANT AUX ÉCARTS THERMIQUES
- TEMPERATURWECHSELBESTÄNDIG
- RESISTENTE A LAS OSCILACIONES TÉRMICAS

- FACILE DA PULIRE
- EASY TO CLEAN
- FACILE À NETTOYER
- REINIGUNGSLEICHT
- FÁCIL DE LIMPIAR

- RIMOVIBILE E RIUTILIZZABILE
- REMOVABLE AND REUSABLE
- DÉMONTABLE ET RÉUTILISABLE
- ENTFERNBAR UND WIEDERVERWENDBAR
- DESMONTABLE Y REUTILIZABLE

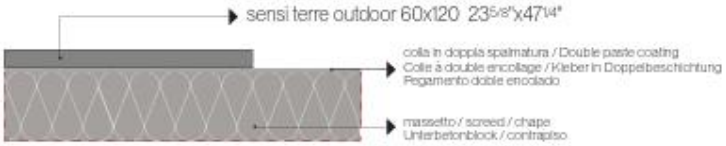
- INATTACCABILE DA AGENTI CHIMICI E MUFFE
- IMPERVIOUS TO ATTACK BY CHEMICALS OR MOULD
- RÉSISTANT AUX AGENTS CHIMIQUES ET AUX MOISISSURES
- UNANGREIFBAR DURCH CHEMISCHE STOFFE UND SCHIMMEL
- RESISTENTE A LOS AGENTES QUÍMICOS Y A LOS MOHOS

Applicazioni - Applications - Applications - Verlegung - Aplicaciones

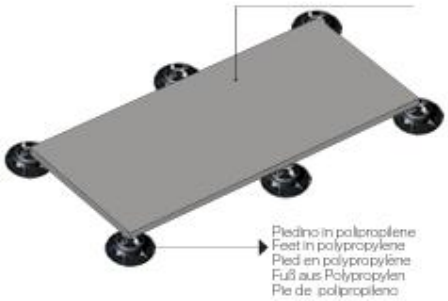
- Posa diretta su erba
- Direct installation on grass
- Pose direct sur de l'herbe
- Verlegung direkt auf Rasen
- Colocación directa sobre hierba

- Posa diretta su ghiaia
- Direct installation over gravel
- Pose direct sur du gravier
- Verlegung direkt auf Kies
- Colocación directa sobre grava

- Posa su massetto cementizio
- Installation on sand-cement screed
- Pose sur chape ciment
- Verlegung auf Zement-Unterbetonblock
- Colocación sobre contrapiso de hormigón



- Posa su piedini fissi o regolabili
- Installation on fixed or adjustable feet
- Pose sur pieds fixes ou réglables
- Verlegung auf feststehende oder regulierbare Füße
- Colocación sobre pies fijos o regulables



Per le specifiche di utilizzo dei sistemi sopraelevati vedi il sito floritm.com
For the specifics on use of raised systems visit the site floritm.com
Pour les caractéristiques d'utilisation des systèmes surélevés, voir le site floritm.com
Für die Nutzungsbedingungen der Doppelbodensysteme siehe Webseite floritm.com
Para las especificaciones de empleo de los sistemas sobreelevados consulte el sitio web floritm.com

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SENSI TERRE

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

20 mm 3/4"

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

			PRESCRIZIONE STANDARD REQUIREMENTS PRESCRIPTIONS ANFORDERUNGEN PRESCRIPCION		RISULTATI TESTS TEST RESULTS RESULTATS DES ESSAIS PRÜFERGEBNIS RESULTADOS TESTS	RIFERIMENTO NORMA REFERENCE STANDARD RÉFÉRENCE NORME STANDARDWERT REFERENCIA NORMA
				$G \geq 15$ cm		
			(%)	(mm)	grès	
	LUNGHEZZA E LARGHEZZA, DEVIAZIONE AMMESSIBILE IN % DELLA DIMENSIONE MEDIA DI OGNI PIASTRELLA DALLA SUA DI FABBRICAZIONE / LENGTH AND WIDTH, ADMITTED DEVIATION IN % OF THE AVERAGE SIZE OF EACH TILE FROM THE PRODUCTION DIMENSIONS / LONGUEUR ET LARGEUR, MARGE DE TOLERANCE, EN %, ENTRE LA DIMENSION MOYENNE DE CHAQUE CARREAU ET LA DIM. DE FABRICATION / LÄNGE UND BREITE, ZULÄSSIGE ABWEICHUNG DES DURCHSCHNITTWERTES JEDER FLIESE VOM HERSTELLMAß 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 AMMESSIBILE IN PERCENTO DELLO SPESSORE MEDIO DI OGNI PIASTRELLA DALLA DIMENSIONE DI FABBRICAZIONE / ADMITTED DEVIATION, IN %, OF THE AVERAGE THICKNESS OF EACH TILE FROM THE PRODUCTION DIMENSIONS / MARGE DE TOLERANCE, EN POURCENTAGE, ENTRE L'EPAISSEUR MOYENNE DE CHAQUE CARREAU ET LA DIMENSION DE FABRICATION / ZULÄSSIGE ABWEICHUNG DER DURCHSCHNITTSDICKE JEDER FLIESE VOM HERSTELLMAß IN PROZENTEN / 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 %	
	DEVIAZIONE MASSIMA DI RETTILINEARITÀ IN PERCENTO, IN RAPPORTO ALLE DIMENSIONI DI FABBRICAZIONE CORRISPONDENTI / MAXIMUM STRAIGHTNESS DEVIATION, IN %, IN RELATION TO THE CORRESPONDING PRODUCTION DIMENSIONS / MARGE DE TOLERANCE DE RECTITUDE, EN POURCENTAGE, ENTRE RAPPORT AUX DIMENSIONS DE FABRICATION CORRESPONDANTES / ZULÄSSIGE HÖCHSTABWEICHUNG DER KANTENGERADHEIT IN VERHÄLTNIS ZU DEN ENTSPRECHENDEN HERSTELLMAßEN 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 %	
	DEVIAZIONE MASSIMA DI ORTOGONALITÀ, IN PERCENTO, IN RAPPORTO ALLE DIMENSIONI DI FABBRICAZIONE CORRISPONDENTI / MAXIMUM RIGHT-ANGLE DEVIATION, IN %, IN RELATION TO THE CORRESPONDING PRODUCTION DIMENSIONS / MARGE DE TOLERANCE D'ANGULARITÉ, EN POURCENTAGE, PAR RAPPORT AUX DIMENSIONS DE FABRICATION / HÖCHSTABWEICHUNG DER RECHTWINKLIGKEIT IN VERHÄLTNIS ZU DEN ENTSPRECHENDEN HERSTELLMAßEN 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	±0,2 %	
	PLANARITÀ (CURVATURA DEL CENTRO), DELLO SPIGOLO E SVERGOLAMENTO / FLATNESS (CURVING IN THE MIDDLE, CORNER AND WARPING) / PLANÉITÉ (COURBURE CENTRALE, DE L'ARÊTE ET GAUCHISSEMENT) / EBENFLÄCHIGKEIT (KRÜMMUNG, DER KANTE UND VERWINDUNG) / PLANITUD (CURVATURA DEL CENTRO, DE LA ARISTA Y ABARQUILLAMIENTO)	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	* 95% min delle piastrelle deve essere esente da difetti visibili / At least 95% of the tiles must be free from visible flaws. 95% min des carreaux ne doivent présenter aucun défaut visible /Mindestens 95% der Fliesen müssen frei von sichtbaren mit 20 /95% de las baldosas tiene que estar exento de defectos visibles			CONFORME/CONFORMING CONFORME/KONFORM CONFORME	
	MASSA DACQUA ASSORBITA IN % / % WATER ABSORPTION - MASSE D'EAU / ABSORBIERTE IN % / WASSERAUFNAHME IN % MASA DE AGUA ABSORBIDA EN %	E≤0,5 %			valore medio 0,08 %	ISO 10545-3
	FORZA DI ROTTURA IN N (sp. ≥ 7,5 mm) - BREAKING STRENGTH IN N (thickness ≥ 7,5 mm) / FORCE DE RUPTURE EN N (ép. ≥ 7,5 mm) / BRUCHLAST IN N (Dicke ≥ 7,5 mm) / FUERZA DE ROTURA EN N (gr. ≥ 7,5 mm)	≥1300 N			valore medio 12000 N	ISO 10545-4
	RESISTENZA ALLA FLESSIONE IN N/mm² / Norme FLEXURAL STRENGHT TEST / RÉSISTANCE A LA FLEXION EN N/mm² / BIEGEFESTIGKEIT IN N/mm² / RESISTENCIA A LA FLEXIÓN EN N/mm²	≥35 N/mm²			valore medio 52 N/mm²	ISO 10545-4
	RESISTENZA ALL'ABRASIONE PROFONDA DELLE PIASTRELLE NON SMALTATE / RESISTANCE TO DEEP ABRASION OF UNGLAZED TILES / RÉSISTANCE À L'ABRASION PROFONDE DES CARREAUX NON ÉMAILLÉS / TIEFENABRIEBFESTIGKEIT UNGLASIERTER FLIESEN / RESISTENCIA A LA ABRASIÓN PROFUNDA DE LAS BALDOSAS SIN ESMALTAR	≤175 mm³			valore medio 140 mm³	ISO 10545-6
	RESISTENZA AGLI SBALZI TERMICI / THERMAL SHOCKS RESISTANT / RÉSISTANCE AUX VARIATIONS THERMIQUES / TEMPERATURWECHSELBESTÄNDIGKEIT / RESISTENCIA AL CHOQUE TÉRMICO	Nessun difetto visibile / Aucun défaut visible / Keine sichtbaren Fehler / Ningún defecto visible			RESISTE - RÉSISTANT RESISTE - ERFÜLLT RESISTE	ISO 10545-9
	RESISTENZA ALLE MACCHIE / RESISTANCE TO STAINING / RÉSISTANCE AUX TACHES / FLECKENBESTÄNDIGKEIT RESISTENCIA A LAS MANCHAS	Nessun difetto visibile / Aucun défaut visible / Keine sichtbaren Fehler / Ningún defecto visible			Classe 4	ISO 10545-14
	RESISTENZA A BASSE CONCENTRAZIONI DI ACIDI E ALCALI / RESISTANCE TO LOW CONCENTRATIONS OF ACIDS AND ALKALIS / RÉSISTANCE A BASSES CONCENTRATIONS D'ACIDES ET ALCALIS / WIDERSTAND GEGEN NIEDRIGE KONZENTRATIONEN VON SÄUREN UND LAUGEN / RESISTENCIA A BAJAS CONCENTRACIONES DE ACIDOS Y ALCALIS	COME DICHIARATO DAL PRODUTTORE / COMME DÉCLARÉ PAR LE FABRICANT / WIE VOM HERSTELLER ERKLÄRT / COMO LO DECLARA EL FABRICANTE			HA	ISO 10545-13
	RESISTENZA A ALTE CONCENTRAZIONI DI ACIDI ED ALCALI / RESISTANCE TO HIGH CONCENTRATIONS OF ACIDS AND ALKALI / RÉSISTANCE À DE HAUTES CONCENTRATIONS D'ACIDES ET BASES / BESTÄNDIGKEIT GEGEN STARK KONZENTRIERTE SÄUREN UND LAUGEN / RESISTENCIA A ALTAS CONCENTRACIONES DE ÁCIDOS Y ÁLCALIS				LA	
	RESISTENZA AI PRODOTTI CHIMICI DI USO DOMESTICO E AGLI ADDITIVI PER PISCINA / RESISTENCE TO DOMESTIC CHEMICAL PRODUCTS AND ADDITIVES FOR SWIMMING POOLS / RÉSISTANT AUX PRODUITS CHIMIQUES À USAGE DOMESTIQUE ET AUX ADDITIFS POUR PISCINE / WIDERSTAND GEGEN HAUSHALTSCHEMIKALIEN UND SCHWIMMBADZUSATZSTOFFEN / RESISTENCIA A PRODUCTOS PARA LIMPIEZA DOMÉSTICA Y ADITIVOS PARA PISCINAS	B min			A	
	RESISTENZA AL GELO / FROST RESISTANCE - RÉSISTANCE AU GEL / FROSTSICHERHEIT - RESISTENCIA A LA HELADA	RICHIESTA / REQUIRED REQUISE / GEFORDERT REQUERIDA			RESISTE - RÉSISTANT RESISTE - ERFÜLLT RESISTE	ISO 10545-12
	COEFFICIENTE D'ATTRITO (SCIVOLOSITÀ) / FRICTION COEFFICIENT (SLIPPERINESS) / COEFFICIENT DE FRICTION (GLISSEMENT) / REIBUNGSKOEFFIZIENT (SCHLÜPFRIGKEIT) - COEFICIENTE DE ANTIDESLIZAMIENTO				> 0,40	METODO BCRA
					> 0,42 wet	ANSI A 326.3
					18° < α ≤ 27° R11	DIN EN 16165 ANNEX B
					α ≥ 24° classe C	DIN EN 16165 ANNEX A
					PTV >36 WET	BS EN 16165 ANNEX C

Per un effetto ottimale della posa, fuga aggiunta di rettificato 2 mm di fuga per posa monoformato e 3 mm per combinati formati misti. / For optimal installation results, from experimental matching a joint of 2 mm 1/8" for single format installations and 3 mm 1/8" for combine mixed formats / Pour réaliser une pose parfaite, fuge rectifiée de mesure 2 mm de joint pour la pose des mêmes formats et 3 mm pour les combinaisons de formats mixtes / Um ein optimales Verlegeergebnis zu erzielen, empfiehlt sich eine Fugenbreite von 2 mm für Verlegung mit einem Format und 3 mm für kombinierte Formate. / Para lograr un mejor resultado en la puesta del producto, tiene una fuga 2 mm de junta en aplicaciones monoformato y 3 mm en combinaciones de formatos mixtos.

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SQUADRATO - SQUARED - EQUARR - RENTIFIZIERT - ESCUADRADO

9 mm 3/8"

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

			PRESCRIZIONE STANDARD/REQUIREMENTS PRESCRIPTIONS ANFORDERUNGEN PRESCRIPCIÓN		RISULTATI DEI TEST/TEST RESULTS RÉSULTATS DES ESSAIS PRÜFERGEBNISSE RESULTADOS DE TESTS				RIFERIMENTO NORMA DI PRODOTTO STANDARD REFERENCE NORME STANDARDISIERT REFERENCIA NORMA
			(S)	(PTV)					
	LUNGHEZZA E LARGHEZZA DI MISURA APPARENTE IN % DELLA DIMENSIONE INDICATA CON RIFERIMENTO ALLA SUA DI RIFERIMENTO. / LENGTH AND WIDTH SENSITIVE DEVIATION IN % OF THE INDICATED SIZE OF EACH TILE FROM THE PROTECTION DIMENSIONS / LONGUEUR ET LARGEUR - MARGE DE TOLÉRANCE EN % SUR LA DIMENSION NOMINALE DE CHAQUE CARREAU ET LA DIM. DE RÉFÉRENCE / LÄNGE UND BREITE, ZULÄSSIGE ABWEICHUNG DES EINZELNEN PRÜFMASS. IN % VOM NENNMAß IN PROZENTEN / LARGO Y ANCHO: DESVIACIÓN ADMITIDA EN % DEL TAMAÑO DE CADA BALDOSA RESPECTO DEL TAMAÑO DE REFERENCIA	Standard ISO 10545	±0,6 %	±10 mm	±0,6 %				ISO 10545-2
	SCOSTAMENTO RETTILINEO IN PERCENTO DELLO SPESSORE DOVE IL CORPO TRIANGOLA CON LE DIMENSIONI DI RIFERIMENTO / ADMITTED DEVIATION IN % OF THE SPECIFIED THICKNESS OF EACH TILE FROM THE PROTECTION DIMENSIONS. / MARGE DE TOLÉRANCE EN POURCENTAGE ENTRE L'ÉPAISSEUR MOYENNE DE CHAQUE CÔTÉ/ABWEICHUNG VON RECHTWINKLIGKEIT IN PROZENT / ALABEADO ADMITIDO EN PORCENTAJE ENTRE EL GROSOR MEDIO DE CADA LADO Y EL GROSOR MEDIO DE TODOS LOS LADOS DE LA PIEZA	Standard ISO 10545	±5 %	±0,5 mm	±5 %				
	CURVATURA CENTRALE DI FACCIA CONCAVA IN PERCENTO DELLA DIAGONALE DI RIFERIMENTO / CENTRE CURVATURE OF FACE CONCAVE IN PERCENTAGE OF REFERENCE DIAGONAL / CENTRE DE COURBURE DE LA FACE CONCAVE EN POURCENTAGE DE LA DIAGONALE DE RÉFÉRENCE / MITTLERE KRÜMMUNG DER OBERFLÄCHE IN PROZENT / CURVATURA CENTRAL DE CARA CÓNCAVA EN PORCENTAJE DE LA DIAGONAL DE REFERENCIA	Standard ISO 10545	±0,3 %	±0,5 mm	±0,6 %				
	CURVATURA CENTRALE DI CONVESSITÀ IN PERCENTO IN RAPPORTO ALLA DIMENSIONE DI RIFERIMENTO/CENTRE CURVATURE - FACE CONVEX IN PERCENTAGE OF REFERENCE DIAGONAL / CENTRE DE COURBURE DE LA FACE CONVEXE EN POURCENTAGE DE LA DIAGONALE DE RÉFÉRENCE / MITTLERE KRÜMMUNG DER OBERFLÄCHE IN PROZENT / CURVATURA CENTRAL DE CARA CONVEXA EN PORCENTAJE DE LA DIAGONAL DE REFERENCIA	Standard ISO 10545	±0,3 %	±1,5 mm	±0,80 %				ISO 10545-2
	PLANARITÀ/CURVATURA DEL CENTRO, DELLO SPIGOLO E SVERGOLAMENTO / CAMBER, CURVING IN THE ANGLE, CURVATURE AND WARPAGE / PLANÉITÉ/COURBURE CENTRALE DE LARGEUR ET DES ACCIDENTS / MITTELWÖLBUNG, RANDWÖLBUNG, WELLIGKEIT / PLANITUD/CURVATURA DEL CENTRO, DE LA ARISTA Y ALABEADO (ORTOGONALIDAD)	Standard ISO 10545	±0,4 %	±0,8 mm	±0,35 %				
	QUALITÀ DELLA SUPERFICIE - SUPERFICIE QUALITY / QUALITÉ DE LA SURFACE / QUALITÄT DER OBERFLÄCHE / CALIDAD DE LA SUPERFICIE				CONFORME/CONFORMING CONFORME/KONFORM CONFORME				
	RESISTENZA AGLI SBALZI TERMICI / THERMAL SHOCK RESISTANT / RÉSISTANCE AUX VARIATIONS THERMIQUES / TEMPERATURWECHSELBESTÄNDIGKEIT / RESISTENCIA AL CHOQUE TÉRMICO		Richiesta/Required Requise/Gefordert Requerida		RESISTE - RESISTANT RÉSISTE - ERFÜLLT RESISTE				ISO 10545-9
	RESISTENZA AL GELO / FREEZE RESISTANCE - RÉSISTANCE AU GEL / FROSTBESTÄNDIGKEIT - RESISTENCIA AL HIELO		Richiesta/Required Requise/Gefordert Requerida		RESISTE - RESISTANT RÉSISTE - ERFÜLLT RESISTE				ISO 10545-12
	RESISTENZA ALLE MACCHIE / RESISTANCE TO STAINING / WIDERSTAND GEGEN FLECKEN / RESISTENCIA A LAS MANCHAS				Classe 4				ISO 10545-14
	RESISTENZA ALL'USURA CON ESPRESSIONE DI ABRASIONE PROFONDA / RESISTANCE TO DEEP SCRATCHING OF GLAZED TILES / WIDERSTAND GEGEN TIEFE RITZUNG / RESISTENCIA AL RAYADO PROFUNDO DE BALDOSAS ESMALTADAS		Codice identificativo prodotto/Identification code/Code d'identification/Kennzeichnungscode/Código identificativo		UA				ISO 10545-13
	RESISTENZA ALL'USURA CON ESPRESSIONE DI ABRASIONE SUPERFICIALE / RESISTANCE TO SURFACE ABRASION OF GLAZED TILES / WIDERSTAND GEGEN OBERFLÄCHENABRIEB / RESISTENCIA AL DESGASTE SUPERFICIAL DE BALDOSAS ESMALTADAS				MA				
	RESISTENZA AI PRODOTTI CHIMICI DI USO DOMESTICO E AGLI ADDITIVI PER PISCINE / RESISTANCE TO DOMESTIC CHEMICAL PRODUCTS AND ADDITIVES FOR SWIMMING POOLS / WIDERSTAND GEGEN HAUSHALTSCHEMIKALIEN UND ZUSATZSTOFFE FÜR SCHWIMMBECKENWASSER / RESISTENCIA A PRODUCTOS DE USO DOMÉSTICO Y ADITIVOS PARA PISCINAS		5 min		A				
					> 640				METODO/EGPA
					> 540 lux				ANSI A 326.3
					10° < α ≤ 19° R10	19° < α ≤ 35° R10	10° < α ≤ 35° R10	35° < α ≤ 27° R9	DIN 51130/DIN ANNEX B
					18° ≤ α < 24° classe B	18° ≤ α < 24° classe B	18° ≤ α < 24° classe B	α ≥ 24° classe C	DIN EN 16165 ANNEX A
					PTV >36 WET	-	PTV >36 WET	PTV >36 WET	BS EN 16165 ANNEX C

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FLORIM Ceramiche S.p.A. SB
Via Canaletto, 24 - 41042 Fiorano Modenese (MO) - Italia
SB
FLORIM 001
EN 14411:2012
Dry-pressed ceramic tiles, with water absorption $E_b \leq 0,5$ %, for internal and external walls and floorings

FLORIM Ceramiche S.p.A. SB
Via Canaletto, 24 - 41042 Fiorano Modenese (MO) - Italia
SB
FLORIM 003 Rev.1
EN 14411:2012
Dry-pressed ceramic tiles, with water absorption $E_b \leq 0,5$ %, for internal and external walls and floorings

TÜV SÜD

Sistema di gestione della Qualità
Certificato n°: 50 100 1371

Sistema di gestione dell'Ambiente
Certificato n°: 50 100 165 74

Sistema di gestione della Salute e Sicurezza del lavoratore
Certificato n°: 50 100 13659

Sistema di gestione dell'Energia
Certificato n°: 50 100 13648

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

SENSI TERRE

GRES FINE PORCELLANATO-FINE PORCELAIN STONEWARE/GRES CERAME FIN-FEINSTEINZEUG-KOLLEKTIONEN/GRES PORCELÁNICO FINO

SQUADRATO - SQUARED - EQUARR - REKTIFIZIERT - ESCUADRADO

6 mm 1/4"

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

		PRESCRIZIONE STANDARD PRESCRIPTIONS ANFORDERUNGEN PRESCRIPCIONES 31 cm x 31 cm		RISULTATI TESTS TEST RESULTS RÉSULTATS DES ESSAIS PRÜFERGEBNIS RESULTADOS TESTS	RIFERIMENTO NORMA REFERENCE NORM NORMENREFERENZ REFERENCIA NORMA
		(%)	(mm)	valeurs - grana	
	LUNGHEZZA E LARGHEZZA DI MATTONELLE RETTIFICATE: LA DIMENSIONE MEDIA DI OGNI PARTITA DEVE ESSERE COMPRESA TRA LA DIMENSIONE NOMINALE AUMENTATA E DIMINUITA DELLA TOLLERANZA INDICATA. LA DIMENSIONE MEDIA DI OGNI PARTITA DEVE ESSERE COMPRESA TRA LA DIMENSIONE NOMINALE AUMENTATA E DIMINUITA DELLA TOLLERANZA INDICATA.	Squadrato ISO 13006	±0.5 %	±10 mm	±0.05 %	ISO 10545-2
	DIFFERENZA ANGOLARE DI PRODOTTI DELLE DIMENSIONI INDICATE SUGLI IMBALLI DALLA DIFFERENZA DI FABBRICAZIONE / APARTE DI DIMENSIONI DA SU UN TALE ANGOLO TRA DIMENSIONI DI FACCIATA DI PRODOTTI DIFFERENTI. / ANGLE DE TOLERANCE EN POURCENTAGE ENTRE LONGUEURS MOYENNE DE CHACUN DES CÔTÉS DE L'ANGLE DE TOLÉRANCE EN POURCENTAGE ENTRE LONGUEURS MOYENNE DE CHACUN DES CÔTÉS DE L'ANGLE.	Squadrato ISO 13006	±5 %	±0.5 mm	±5 %	
	DIFFERENZA LINEARE DI RETTILINEITÀ IN PRODOTTI DI RETTIFICATI ALLE DIMENSIONI DI IMBALLAGGIO CORRISPONDENTI / MANQUE DE RECTITUDE EN POURCENTAGE PAR RAPPORT AUX DIMENSIONS DE L'EMBALLAGE / ÄNDERUNG DER RECHTWINKLIGKEIT IN PROZENTEN / DESVIACIÓN MÁXIMA DE RECTITUD EN VALOR POR CIENTO DE LA DIMENSIÓN DEL EMBALAJE CORRESPONDIENTE.	Squadrato ISO 13006	±0.3 %	±0.8 mm	±0.8 %	
	DIFFERENZA LINEARE DI ORTOGONALITÀ IN PRODOTTI DI RETTIFICATI ALLE DIMENSIONI DI IMBALLAGGIO CORRISPONDENTI / MANQUE D'ORTHOGONALITÉ EN POURCENTAGE PAR RAPPORT AUX DIMENSIONS DE L'EMBALLAGE / ÄNDERUNG DER RECHTWINKLIGKEIT IN PROZENTEN / DESVIACIÓN MÁXIMA DE ORTOGONALIDAD EN VALOR POR CIENTO DE LA DIMENSIÓN DEL EMBALAJE CORRESPONDIENTE.	Squadrato ISO 13006	±0.3 %	±0.5 mm	±0.20 %	
	PLANARITÀ SUPERFICIALE DEL CENTRO DELLE SPECIALITÀ SUPERFICIALMENTE / PLANÉITÉ SUPERFICIELLE DU CENTRE DES MESURES CORRESPONDANTES / PLANHEIT DES OBERFLÄCHENZENTRUMS / PLANITUD SUPERFICIAL DEL CENTRO DE LA MEDIDA Y ANÁLISIS CORRIENTE	Squadrato ISO 13006	±0.4 %	±1.0 mm	±0.20 %	
	QUALITÀ DELLA SUPERFICIE - SURFACE QUALITY - QUALITÉ DE LA SURFACE - QUALITÄT DER OBERFLÄCHE - CALIDAD DE LA SUPERFICIE				CONFORME/CONFORMING/ CONFORME/KONFORM/CONFORME	
	VARIAZIONE DI COLORE DOPO IL TEST DI RESISTENZA AGLI ACIDI E ALLE BASI / VARIATION DE COULEUR APRÈS LE TEST DE RÉSISTANCE AUX ACIDES ET AUX BASES			E≤0.5 %	valore medio 0.08 %	ISO 10545-13
	FORZA DI ROTTURA - BREAKING STRENGTH - RUPTURE - ROTURA			>700 N	valore medio 1550 N	ISO 10545-4
	RESISTENZA ALLA FLESSIONE - FLEXURAL STRENGTH - RÉSISTANCE À LA FLEXION - FESTIGKEIT - RESISTENCIA A LA FLEXIÓN			>35 N/mm²	valore medio 52.74 N/mm²	ISO 10545-4
	RESISTENZA ALL'ABRASIONE PROFONDA DELLE PIASTRELLE NON SMALTATE / RÉSISTANCE À L'USURE PROFONDE DES CARREAUX NON �émaillÉS / TIEFENABRIEB DER UNGLASIERTEN FLIESEN / RESISTENCIA A LA ABRASIÓN PROFUNDA DE LOS AZULEJOS NO ESMALTADOS			<175 mm³	valore medio 140 mm³	ISO 10545-6
	RESISTENZA AGLI SBALZI TERMICI - THERMAL SHOCK RESISTANT - RÉSISTANCE AUX VARIATIONS THERMIQUES - TEMPERATURWECHSELBESTÄNDIGKEIT - RESISTENCIA AL CHOQUE TÉRMICO				RESISTE - RÉSISTANT RÉSISTE - ERFÜLLT - RESISTE	ISO 10545-9
	RESISTENZA ALLE MACCHIE - RÉSISTANCE AUX TACHES - RESISTENCIA A LAS MANCHAS - FLECKENBESTÄNDIGKEIT - RESISTENCIA AL MANCHADO				Classe 5	ISO 10545-14
	RILASCIO DI SOSTANZE PERICOLOSE - RELEASE OF HAZARDOUS SUBSTANCES - RÉJET DE SUBSTANCES DANGEREUSES - FREISETZUNG GEFÄHRLICHER STOFFE - LIBERACIÓN DE SUSTANCIAS PELIGROSAS / **CADMIO (in mg/dm2) - PIOMBO (in mg/dm2)**				CONFORME/CONFORMING/ CONFORME/KONFORM/CONFORME	DM 17/2/2007 Reg. CE 1935/2004
	RESISTENZA A MACCHIE CONTENUTE IN ACIDI E ALCALI - RÉSISTANCE AUX TACHES CONTENUES DANS LES ACIDES ET ALCALIS - BESTÄNDIGKEIT GEGEN FLECKEN DURCH SÄUREN UND LAUGEN - RESISTENCIA A MANCHAS CONTENIDAS EN ÁCIDOS Y ÁLCALIS				LA	ISO 10545-13
	RESISTENZA AI PRODOTTI CHIMICI DI USO DOMESTICO E AGLI ADDITIVI PER PISCINA - RÉSISTANCE AUX PRODUITS CHIMIQUES DOMESTIQUES ET AUX ADDITIFS POUR PISCINES - WIDERSTAND GEGEN HAUSHALTSCHEMIKALIEN UND SCHWIMMBADZUSATZSTOFFEN - RESISTENCIA A PRODUCTOS QUÍMICOS DOMÉSTICOS Y ADITIVOS PARA PISCINAS			MIN B	A	
	RESISTENZA AL GELO - FROST RESISTANCE - RÉSISTANCE AU GEL - FROSTBESTÄNDIGKEIT - RESISTENCIA A LAS HELADAS			RESISTE - RÉSISTANT RÉSISTE - ERFÜLLT RÉSISTE	RESISTE - RÉSISTANT RÉSISTE - ERFÜLLT RÉSISTE	ISO 10545-12
	COEFFICIENTE DI ATTRITO - SCIVOLOSITÀ - FRICTION COEFFICIENT - SLIPPERINESS - COEFFICIENT DE FRICTION - GLISSANCE - REIBUNGSKOEFFIZIENT - GLEITFÄHIGKEIT - COEFICIENTE DE FRICCIÓN - DESLIZAMIENTO				> 0.40 bst	ANSI A 326.3
					$R^{10} \leq \alpha \leq R^{13}$ R10	DIN EN 16165 ANNEX B
					$R^{11} \leq \alpha \leq R^{13}$ classe B	DIN EN 16165 ANNEX A

GRADO DI VARIAZIONE CROMATICA - DEGREE OF COLOUR CHANGE - DEGRÉ DE VARIATION CHROMATIQUE - GRAD DER FARBABWEICHUNG - GRADO DE VARIACIÓN CROMÁTICA

V1 LOW	V2 MODERATE	V3 HIGH	V4 RANDOM
THE LEAST AMOUNT OF SHADE AND TEXTURE VARIATION WITHIN A BATCH. SUITABLE IN NATURAL LOOKING CLAY PRODUCTS.	LIGHT TO MEDIUM SHADE AND TEXTURE VARIATION WITHIN A BATCH.	HIGH SHADE AND TEXTURE VARIATION WITHIN EACH CARTON.	VERY HIGH SHADE AND TEXTURE VARIATION WITHIN EACH CARTON.
	COTONE - SABBIA - ROSATO - MATTONE - AMARANTO - CAPRICCIO	GRIGIO COTONE - GRIGIO SABBIA - GRIGIO ROSATO GRIGIO MATTONE - GRIGIO AMARANTO - GRIGIO CAPRICCIO	

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Fire Resistance

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

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

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

EXTRAORDINARY EFFECTS DURING USE PHASE:
Fire: According to /EN 13501-1:2007+A1:2009/, ceramic tiles can be classified as A1 class of fire resistance rating, because they do not contribute to fire.
It has been demonstrated that the coating of the ceramic tiles, in case of fire, reduces heat on them and thus the risk of collapse.
Water: Ceramic tiles cannot react with water because they are an insoluble material.

For further information on the fire performance characteristics of ceramic/porcelain tiles or natural stone, please follow this link

Design Requirements

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

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Installation Requirements

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

Maintenance Requirements

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

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