



European
Ceramics

STONES & MORE 2.0 RANGE

Product Name: STONES & MORE - **VARIOUS COLOUR/FINISHES/SIZE/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%.

Country Of Origin: Italy

Building Code Obligations

Code Clauses:

B2 – Durability

B2.3.1

C3 – Fire affecting areas beyond the source

D1 – Access routes

D1.3.3

E3 – Internal moisture

E3.3.2, 3.3.3, 3.3.4

G3 – Food preparation and prevention of contamination

G3.3.2

G6 – Airborne and Impact sound

G6.3.1



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

Manufacturer Details:

European Ceramics Approved

BPIR COMPLIANT

Importer Details:

European Ceramic Tiles Ltd

Address: 7A Cowley Place, Rosedale, AKL 0632

NZBN: 9429037294571

Website: euroceramics.co.nz

Scope	Use
B2 Durability	See below suitability table
C3 Fire	The Building Code relating to fire ratings regulation & standards become mandatory from April 2013, establishing the list of products belonging to Classes A 'No Contribution to Fire' provided for in Decision 94/611/EC implementing Article 20 of Council Directive 89/106/EEC.
D1 Access Routes	Refer to slip resistance documentation for all Access routes classifications D1/AS1 for above range.
E3 Internal Moisture	Under E3 Tiles installed over a waterproof membrane using a nonporous grouting system, are an acceptable solution.
G3 Food Preparation & Prevention from Contamination	As an impervious and easy to clean surface, this range complies.
G6 Airborne & Impact Sound	If required, tiles can form part of an acoustic system to comply with IIC & STC in conjunction with an approved third-party system.

<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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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 life 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 create 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.

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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.

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.

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Technical Information

STONES&MORE 2.0

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

9 mm 3/8"

CARATTERISTICHE TECNICHE - TECHNICAL CHARACTERISTICS - CARACTERISTIQUES TECHNIQUES - TECHNISCHE EIGENSCHAFTEN - CARACTERÍSTICAS TÉCNICAS									
Lastre in gres fine porcellanato non smaltato. Piastrelle di ceramica pressate a secco. Caratteristiche di qualità secondo i test di controllo previsti dalla norma EN 14411-ISO 13006 Appendix G gruppo Bla UGL / Unglazed porcelain stoneware slabs. Dry pressed ceramic tiles. Quality specifications, according to control tests of EN 14411-ISO 13006 Appendix G group Bla UGL / Dalles en grès cérame fin non émaillé. Carreaux céramiques pressés à sec. Caractéristiques de qualité d'après les essais de contrôle norme EN 14411-ISO 13006 Appendix G groupe Bla UGL / Nicht glasierte und vollständig gesinterste Feinsteinzeugplatten. Trocken gepresste Keramikfliesen. Qualitätseigenschaften nach Normen EN 14411-ISO 13006 Anhang G Gruppe Bla UGL / Planchas de gres porcelánico fino no esmaltado. Baldosas de cerámica rensadas en seco. Características de calidad según las Normas EN 14411-ISO 13006 Apéndice G grupo Bla UGL.				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
				N ≥ 15 cm		matte matte soft glossy			
				(%)	(mm)				
	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: ZULÄSSIGE ABWEICHUNG DES DURCHSCHNITTMÄßES 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 AMMISSIBILE, 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 TOLÉRANCE, EN POURCENTAGE, ENTRE L'ÉPAISSEUR MOYENNE DE CHAQUE CARREAU ET LA DIMENSION DE FABRICATION / ZULÄSSIGE ABWEICHUNG DER DURCHSCHNITTSSTÄRKE 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 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 CORRESPONDANTES / ZULÄSSIGE HÖCHSTABWEICHUNG DER KANTENGERADHEIT IM 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 CORRESPONDENTI / 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 / HÖCHSTABWEICHUNG DER RECHTWINKLIGKEIT IM 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 (COUBURE CENTRALE, DE L'ARÊTE ET GAUCHISSEMENT) / EBENFLÄCHIGKEIT (KÜMMUNG DER MITTE, 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.	Il 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 Mängeln sein. / el 95% de las baldosas tiene que estar exento de defectos visibles.				CONFORME/CONFORMING CONFORME/CONFORM CONFORME.			
	MASSA D'ACQUA ASSORBITA IN % / % WATER ABSORPTION - MASSE D'EAU ABSORBÉE EN % / 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 2200 N			ISO 10545-4
	RESISTENZA ALLA FLESSIONE IN N/mm² / N/mm² FLEXURAL STRENGTH TEST / RÉSISTANCE À LA FLEXION EN N/mm² / BIEGESTÄRKE IN N/mm² / RESISTENCIA A LA FLEXIÓN EN N/mm²			> 35 N/mm²		valore medio 50 N/mm²			ISO 10545-4
	RESISTENZA ALL'ABRAZIONE PROFONDA DELLE PIASTRELLE NON SMALTATE / RESISTANCE TO DEEP ABRASION OF UNGLAZED TILES / RESISTANCE À L'ABRASION PROFONDE DES CARREAUX NON ÉMAILLÉS / TIEFENABRIEBESTÄRKE UNGLASIRTER 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.	Metodo di prova disponibile / Available testing method Méthode d'essai disponible / Verfügbare Prüfmethode Método de ensayo disponible				RESISTE - RÉSISTANT RÉSISTE - ERFÜLLT RESISTE			ISO 10545-9
	RESISTENZA ALLE MACCHIE / RESISTANCE TO STAINING / RÉSISTANCE AUX TACHES / FLECKENABWEISEND / RESISTENCIA A LAS MANCHAS	Metodo di prova disponibile / Available testing method Méthode d'essai disponible / Verfügbare Prüfmethode Método de ensayo disponible				Classe 4-5	Classe 4	Classe 4	ISO 10545-14
	RESISTENZA A BASSE CONCENTRAZIONI DI ACIDI E ALCALI / RESISTANCE TO LOW CONCENTRATIONS OF ACIDS AND ALKALIS / RESISTANCE À BASSES CONCENTRATIONS D'ACIDES ET D'ALCALIS / WIDERSTAND GEGEN NIEDRIGE KONZENTRATIONEN VON SÄUREN UND LAUGEN / RESISTENCIA A BAJAS CONCENTRACIONES DE ÁCIDOS Y ALCALIS.	COME DICHIARATO DAL PRODUTTORE SEE MANUFACTURER'S DECLARATION SELON DÉCLARATION DU PRODUCTEUR ENTSPRECHEND DER HERSTELLERANGABEN TAL COMO DECLARA EL FABRICANTE				LA	LB	LB	ISO 10545-13
	RESISTENZA AI PRODOTTI CHIMICI DI USO DOMESTICO E AGLI ADDITIVI PER PISCINA / RESISTANCE TO DOMESTIC CHEMICAL PRODUCTS AND ADDITIVES FOR SWIMMING POOLS / RÉSISTANT AUX PRODUITS CHIMIQUES À USAGE DOMESTIQUE ET AUX ADITIFS POUR PISCINE / WIDERSTAND GEGEN HAUSHALTSCHIMIKALIEN UND SCHWIMMBADZUSATZSTOFFEN / RESISTENCIA A PRODUCTOS PARA LIMPIEZA DOMESTICA Y ADITIVOS PARA PISCINAS	8 min				A			
	RESISTENZA AL GELO / FROST RESISTANCE - RÉSISTANCE AU GEL / FROSTSICHERHEIT - RESISTENCIA A LA HELADA	RICHIESTA / REQUIRED REQUISE / GEFORDERT REQUERIDA				RESISTE - RÉSISTANT RÉSISTE - ERFÜLLT RESISTE			ISO 10545-12
	COEFFICIENTE D'ATTRITO (SCIVOLosità) / FRICTION COEFFICIENT (SLIPPERINESS) / COEFFICIENT DE FRICTION (GLISSEMENT) / REIBUNGSKOEFFIZIENT (SCHLUPFRIGKEIT) - COEFICIENTE DE ANTI DESLIZAMIENTO					> 0.42 wet 6° < α ≤ 10° R9	> 0.42 wet 6° < α ≤ 10° R9	-	ANSI A 326.3 DIN EN 16165 ANNEX B
						-	> 0.40	> 0.40	METODO BCRA

Per un effetto ottimale della posa, formi suggerisce di mantenere 2 mm di fuga per pose monoformato e 3 mm per combinare formati misti. / For optimal installation results, formi recommends maintaining a joint of 2 mm 1/16" for single format installations and 3 mm 1/16" to combine mixed formats. / Pour réaliser une pose parfaite, formi suggère de maintenir 2 mm de joint pour la pose des monoformats, et 3 mm pour les combinaisons de formats mixtes. / Um einen optimalen Effekt beim Verlegen zu erzielen, empfiehlt formi eine 2 mm fuge bei einformatigen verlegungen und 3 mm fuge bei formatkombinationen. / Para lograr los máximos resultados en la posa del producto, formi aconseja 2 mm de junta en aplicaciones monoformato y 3 mm en combinaciones de formatos mixtos.

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SQUADRATO - SQUARED - EQUARRI - REKTIFIZIERT - ESCUADRADO

6 mm 1/4"



CARATTERISTICHE TECNICHE - TECHNICAL CHARACTERISTICS - CARACTERISTIQUES TECHNIQUES - TECHNISCHE EIGENSCHAFTEN - CARACTERÍSTICAS TÉCNICAS								
Lastre in gres fine porcellanato non smaltato. Piastrelle di ceramica pressate a secco. Caratteristiche di qualità secondo i test di controllo previsti dalla norma EN 14411-ISO 13006 Appendice G gruppo B1a UGL / Unglazed porcelain stoneware slabs. Dry-pressed ceramic tiles. Quality specifications, according to control tests of EN 14411-ISO 13006 Appendice G group B1a UGL. / Dalles en gres céramique fin non émaillé. Carreaux céramiques pressés à sec. Caractéristiques de qualité d'après les essais de contrôle norme EN 14411-ISO 13006 Appendice G groupe B1a UGL. / Nicht glasierte und vollständig gesinterter Feinsteinzeugplatten. Trocken gepresste Keramikfliesen. Qualitätseigenschaften nach Normen EN 14411-ISO 13006 Anhang G Gruppe B1a UGL. / Planchas de gres porcelánico fino no esmaltado. Baldosas de cerámica resadas en seco. Características de calidad según las Normas EN 14411-ISO 13006 Apéndice G grupo B1a UGL.		PRESCRIZIONE STANDARD REQUIREMENTS PRESCRIPTION ANFORDERUNGEN PRESCRIPCION		RISULTATI TESTS TEST RESULTS RESULTATS DES ESSAIS PRÜFERERGEBNIS RESULTADOS TESTS			RIFERIMENTO NORMA REFERENCE STANDARD RÉFÉRENCE NORME STANDARWERT REFERENCIA NORMA	
		N ≥ 15 cm						
		(%)	(mm)	matte soft	matte pttv	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 DIMENSION / LONGUEUR ET LARGUEUR: MARGE DE TOLÉANCE, EN %, ENTRE LA DIMENSION MOYENNE DE CHAQUE CARREAU ET LA DIM. DE FABRICATION / LÄNGE UND BREITE: ZULÄSSIGE ABWEICHUNG DES DURCHSCHNITTMASSES JEDER FLEISE 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
	DEVIATIONE 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 / MARGE DE TOLÉANCE, EN POURCENTAGE, ENTRE L'ÉPAISSEUR MOYENNE DE CHAQUE CARREAU ET LA DIMENSION DE FABRICATION / ZULÄSSIGE ABWEICHUNG DER DURCHSCHNITTSSTÄRKE JEDER FLEISE 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 %		ISO 10545-2
	DEVIATIONE MASSIMA DI RETTILINEITÀ, IN PERCENTO, IN RAPPORTO ALLE DIMENSIONI DI FABBRICAZIONE / CORRESPONDENT / MAXIMUM STRAIGHTNESS DEVIATION, IN %, IN RELATION TO THE CORRESPONDING PRODUCTION DIMENSIONS / MARGE DE TOLÉANCE, EN POURCENTAGE, PAR RAPPORT AUX DIMENSIONS DE FABRICATION / HÖCHSTABWEICHUNG DER DURCHSCHNITTSSTÄRKE JEDER FLEISE VOM HERSTELLMAß 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
	DEVIATIONE 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 TOLÉANCE, D'ANGULARITÉ, EN POURCENTAGE, PAR RAPPORT AUX DIMENSIONS DE FABRICATION / HÖCHSTABWEICHUNG DER RECHTWINKELIGKEIT IM 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		±0,20 %		ISO 10545-2
	PLANARITÀ (CURVATURA DEL CENTRO, DELLO SPIGOLO E SVERGIAMENTO) / FLATNESS (CURVING IN THE MIDDLE, CORNER AND WARPING) / PLANÉTE (COUBURE CENTRALE, DE L'ARÊTE ET GAUCHISSEMENT) / EBENPLÄCHIGKEIT (KRÜMMUNG DER MITTE, DER ARISTE UND VERWINDUNG) / PLANITUD (CURVATURA DEL CENTRO, DE LA ARISTA Y ABAQUILAMIENTO).	Squadrato ISO 13006	±0,4 %	±1,8 mm		±0,20 %		ISO 10545-2
	QUALITÀ DELLA SUPERFICIE / SURFACE QUALITY / QUALITÉ DE LA SURFACE / QUALITÄT DER OBERFLÄCHE / CALIDAD DE LA SUPERFICIE.		Il 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 mfn. / el 95% de las baldosas tiene que estar exento de defectos visibles.		CONFORME/CONFORMING CONFORME/CONFORM CONFORME			ISO 10545-2
	MASSA D'ACQUA ASSORBITA IN % / % WATER ABSORPTION - MASSES D'EAU ABSORBÉE EN % / WASSERAUFNAHME IN % / MASA DE AGUA ABSORBIDA EN %		< 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 ROTTURA EN N (gr. < 7,5 mm).		≥ 700		valore medio 1350 N			ISO 10545-4
	RESISTENZA ALLA FLESSIONE IN N/mm² / N/mm² FLEXURAL STRENGTH TEST / RESISTANCE A LA FLEXION EN N/mm² / BIEGESTÄRKE IN N/mm² / RESISTENCIA A LA FLEXION 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 / RESISTANCE À L'ABRASION PROFONDE DES CARREAUX NON ÉMAILLÉS / TIEFENABRIESTIGKEIT UNGLASIERTER FLEISEN / RESISTENCIA A LA ABRASION PROFUNDA DE LAS BALDOSAS SIN ESMALTAR.		< 175 mm³		valore medio 140 mm³			ISO 10545-6
	RESISTENZA AGLI SBALZI TERMICI / THERMAL SHOCKS RESISTANT / RESISTANCE AUX VARIATIONS THERMIQUES / TEMPERATURWECHSELBESTÄNDIGKEIT / RESISTENCIA AL CHOQUE TÉRMICO.	Metodo di prova disponibile / Available testing method Méthode d'essai disponible / Verfügbare Prüfmethode Método de ensayo disponible		RESISTE - RESISTANT RÉSISTE - ÉRUFFLT RESISTE				ISO 10545-9
	RESISTENZA AL GEL / FROST RESISTANCE / RESISTANCE AU GEL / FROSTSICHERHEIT / RESISTENCIA A LA HELADA	RICHIESTA - REQUIRED REQUIRE - GEFORDERT REQUERIDA		RESISTE - RESISTANT RÉSISTE - ÉRUFFLT RESISTE				ISO 10545-12
	RESISTENZA ALLE MACCHIE / RESISTANCE TO STAINING / RESISTANCE AUX TACHES / FLECKENABWEISEND / RESISTENCIA A LAS MANCHAS.	Metodo di prova disponibile / Available testing method Méthode d'essai disponible / Verfügbare Prüfmethode Método de ensayo disponible		Classe 4	Classe 5	Classe 4		ISO 10545-14
	RILASCIO DI SOSTANZE PERICOLOSE / RELEASE OF HAZARDOUS SUBSTANCES / REJET DE SUBSTANCES DANGEREUSES / FREISETZUNG GEFAHRLICHER STOFFE / LIBERACIÓN DE SUSTANCIAS PELIGROSAS / CADMIUM (in mg/dm²) - PIOMBO (in mg/dm²)	VALORE DICHIARATO DAL PRODUTTORE / SEE MANUFACTURERS DECLARATION SELON DÉCLARATION DU PRODUCTEUR ENTSPRECHEND DER HERSTELLERANGABEN TAL COMO DECLARA EL FABRICANTE		CONFORME/CONFORMING CONFORME/CONFORM CONFORME				DM-1-2-2007-Reg-CE-1935-2004
	RESISTENZA A BASSE CONCENTRAZIONI DI ACIDI E ALCALI / RESISTANCE TO LOW CONCENTRATIONS OF ACIDS AND ALKALIS / RESISTANCE À BASSES CONCENTRATIONS D'ACIDES ET D'ALCALIS / WIDERSTAND GEGEN NIEDRIGE KONZENTRATIONEN VON SAUREN UND LAUSEN. / RESISTENCIA A BAJAS CONCENTRACIONES DE ÁCIDOS Y ALCALIS.	COME DICHIARATO DAL PRODUTTORE / SEE MANUFACTURERS DECLARATION SELON DÉCLARATION DU PRODUCTEUR ENTSPRECHEND DER HERSTELLERANGABEN TAL COMO DECLARA EL FABRICANTE	LB	LA	LB			ISO 10545-13
	RESISTENZA AI PRODOTTI CHIMICI DI USO DOMESTICO E AGLI ADDITIVI PER PISCINA / RESISTENCE TO DOMESTIC CHEMICAL PRODUCTS AND ADDITIVES FOR SWIMMING POOLS / RESISTANT AUX PRODUITS CHIMIQUES À USAGE DOMESTIQUE ET AUX ADDITIFS POUR PISCINE / WIDERSTAND GEGEN HAUSHALTSCHIMIKALIEN UND / SCHWIMMBADZUSATZSTOFFEN / RESISTENCIA A PRODUCTOS PARA LIMPIEZA DOMESTICA Y ADITIVOS PARA PISCINAS		B min	A				
	COEFFICIENTE D'ATTRITO (SCIVOLOSITÀ) / FRICTION COEFFICIENT (SLIPPERINESS) / COEFFICIENT DE FRICTION (GLISSEMENT) / REIBUNGSKOEFFIZIENT (SCHLUPFRIGKEIT) / COEFFICIENTE DE ANTI DESLIZAMIENTO.		-	> 0,42 wet	> 0,42 wet	-		ANSI A 326.3
			-	-	10° < α ≤ 19° R10	-		DIN EN 16165 ANNEX B

Manufacturer Details:

European Ceramics Approved

BPIR COMPLIANT

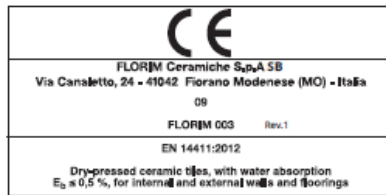
Importer Details:

European Ceramic Tiles Ltd

Address: 7A Cowley Place, Rosedale, AKL 0632

NZBN: 9429037294571

Website: euroceramics.co.nz



GRADO DI VARIAZIONE CROMATICA - DEGREE OF COLOUR CHANGE - DEGRE DE VARIATION CHROMATIQUE - GRAD DER FARBAEWEICHUNG - GRADO DE VARIACION CROMATICA

 V1 LOW THE LEAST AMOUNT OF SHADE AND TEXTURE VARIATION ATTAINABLE IN NATURALLY FIRED CLAY PRODUCTS. Prodotto Monocromatico Produit Monochromatique Einfarbiges Produkt Producto Monocromático	 V2 MODERATE LIGHT TO MODERATE SHADE AND TEXTURE VARIATION WITHIN EACH CARTON. Prodotto con leggera variazione cromatica Produit à légère variation chromatique Produkt mit leichter Farbnuance Producto con una pequeña variación cromática	 V3 HIGH HIGH SHADE AND TEXTURE VARIATION WITHIN EACH CARTON. Prodotto con marcata variazione cromatica Produit à variation chromatique accentuée Produkt mit ausgeprägter Farbnuance Producto con evidente variación cromática	 V4 RANDOM VERY HIGH SHADE AND TEXTURE VARIATION WITHIN EACH CARTON. Prodotto con forte variazione cromatica Produit à forte variation chromatique Produkt mit starker Farbnuance Producto con fuerte variación cromática
	AMANI BRONZE	STONE MARFIL/STONE CALACATTA STONE SAHARA NOIR/STONE CALACATTA BLACK	

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 refer to the Technical Documents section on euroceramics.co.nz

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