



European
Ceramics

CROATIA 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:	CROATIA 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 Emilia Ponente, 1000. 48014 Castel Bolognese, Ravenna, Italy

Website: www.cerdomus.com

Email Address: info@cerdomus.com

Technical Information

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

	 120x280 49"x111" 6 mm			 120x120 47"x47" 8 mm			 150x150 59"x59" 8.5 mm			 60x120 24"x49" 8 mm			 60x60 24"x24" 8 mm			 30x60 12"x24" 9 mm			 60x120 24"x49" 10 mm		
	Rect			Rect			Rect			Rect			Rect			Rect			Rect		
Antracite	92542	92320	96732	92717	96748	92526	92371	92556	92541	92346	92391	-									
Avorio	92548	92521	96755	92718	96749	92527	92352	92557	92542	92347	92392	96753									
Beige	92548	92322	96754	92719	96750	92528	92353	92558	92543	92348	92393	96754									
Grigio	92570	92324	96756	92720	96751	92529	92354	92559	92544	92349	92394	-									
Tortora	92571	92326	96756	92721	96752	92530	92355	92560	92545	92350	92395	96755									
	MTI	MTI	MTI	MTI	MTI	MTI	MTI	MTI	MTI	MTI	MTI	MTI									
	PC & DCI	1	2	2	2	2	2	2	2	2	2	2									
	PC & DCI	3,48	7,98	7	7	1,44	1,44	1,44	1,44	1,44	1,44	1,44									
	PC & DCI	45,71	48	48	48	48	48	48	48	48	48	48									
	PC & DCI	20	18	24	24	52	52	52	52	52	52	52									
	PC & DCI	47,28	21,64	48	48	48,00	48,00	48,00	48,00	48,00	48,00	48,00									
	PC & DCI	994,80	1096	912	912	1024	1024	1024	1024	1024	1024	1024									



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	Rectang. 120x260 48x11" 6mm	Telles 120x260 48x11" 6mm	Rectang. Set 2 pti 60x120 24x5 1/2" 9mm	Telles 60x120 24x5 1/2" 9mm	Mosaico 4,7x4,7 20x20 12x12 5" 9mm	Pavimento Strick 20x60 8"x2 1/4" 9mm	Esagono 33x37,5 13 1/2"x15 1/8" 9mm	Losanga 33x36 13 1/2"x14 1/8" 9mm
	Mat	Mat	Mat	Mat	Mat	Mat	Mat	Mat
Antracite					95528 P 17	95532 P 35	97101 P 55	97165 P 40
Avorio	92785	94620	92788	94532	94133 P 17	94134 P 35	97182 P 55	97187 P 40
Beige					95529 P 17	95533 P 35	97183 P 55	97188 P 40
Grigio	P 612	P 100	S 140	M 78	95530 P 17	95534 P 35	97184 P 55	97189 P 40
Tortora					95531 P 17	95535 P 35	97185 P 55	97190 P 40
	12x120 MO x MO MO x MO MO x MO	5 120 2	6 120 2	7 144 150	12 144 150	5 144 150	6 144 150	4 144 150
	MO x MO MO x MO MO x MO MO x MO	40 21,30 220	40 21,30 220	30 21,30 220	30 21,30 220	30 21,30 220	30 21,30 220	30 21,30 220

								
	Rectang. 48x60 17x47"	Rectang. 25x100 10x40"	Ang. 3x Strick L 25x100 10x40"	Ang. 3x Strick L 25x100 10x40"	Ang. 3x Strick L 25x100 10x40"	Ang. 3x Strick L 25x100 10x40"	Ang. 3x Strick L 25x100 10x40"	Ang. 3x Strick L 25x100 10x40"
	6mm Rect. Rect.	6mm Rect. Rect.	6mm Rect. Rect.	6mm Rect. Rect.	6mm Rect. Rect.	6mm Rect. Rect.	6mm Rect. Rect.	6mm Rect. Rect.
	Mat	Mat	Mat	Mat	Mat	Mat	Mat	Mat
Antracite	95501 P 17	97145 P 35	97146 P 35	97147 P 35	97148 P 35	97149 P 35	97150 P 35	97151 P 35
Avorio	95502 P 17	97146 P 35	97147 P 35	97148 P 35	97149 P 35	97150 P 35	97151 P 35	97152 P 35
Beige	95503 P 17	97147 P 35	97148 P 35	97149 P 35	97150 P 35	97151 P 35	97152 P 35	97153 P 35
Grigio	95504 P 17	97148 P 35	97149 P 35	97150 P 35	97151 P 35	97152 P 35	97153 P 35	97154 P 35
Tortora	95505 P 17	97149 P 35	97150 P 35	97151 P 35	97152 P 35	97153 P 35	97154 P 35	97155 P 35
	12x120 MO x MO MO x MO MO x MO	5 120 2	6 120 2	7 144 150	12 144 150	5 144 150	6 144 150	4 144 150
	MO x MO MO x MO MO x MO MO x MO	40 21,30 220	40 21,30 220	30 21,30 220	30 21,30 220	30 21,30 220	30 21,30 220	30 21,30 220

Pezzi speciali 9mm / Special trims 9mm

								
	Rectang. 48x60 17x47"	Rectang. 25x100 10x40"	Rectang. 25x100 10x40"	Rectang. 25x100 10x40"	Rectang. 25x100 10x40"	Rectang. 25x100 10x40"	Rectang. 25x100 10x40"	Rectang. 25x100 10x40"
	9mm Rect. Rect.	9mm Rect. Rect.	9mm Rect. Rect.	9mm Rect. Rect.	9mm Rect. Rect.	9mm Rect. Rect.	9mm Rect. Rect.	9mm Rect. Rect.
	Mat	Mat	Mat	Mat	Mat	Mat	Mat	Mat
Antracite	95410 P 17	95411 P 35	95412 P 35	95413 P 35	95414 P 35	95415 P 35	95416 P 35	95417 P 35
Avorio	95418 P 17	95419 P 35	95420 P 35	95421 P 35	95422 P 35	95423 P 35	95424 P 35	95425 P 35
Beige	95426 P 17	95427 P 35	95428 P 35	95429 P 35	95430 P 35	95431 P 35	95432 P 35	95433 P 35
Grigio	95434 P 17	95435 P 35	95436 P 35	95437 P 35	95438 P 35	95439 P 35	95440 P 35	95441 P 35
Tortora	95442 P 17	95443 P 35	95444 P 35	95445 P 35	95446 P 35	95447 P 35	95448 P 35	95449 P 35
	12x120 MO x MO MO x MO MO x MO	5 120 2	6 120 2	7 144 150	12 144 150	5 144 150	6 144 150	4 144 150
	MO x MO MO x MO MO x MO MO x MO	40 21,30 220	40 21,30 220	30 21,30 220	30 21,30 220	30 21,30 220	30 21,30 220	30 21,30 220



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CARATTERISTICHE TECNICHE CROATIA MATT / SAFE

Technical characteristics / Caractéristiques techniques
Características técnicas / Technische Eigenschaften / Технические характеристики

Classificazione secondo NORMA EN 14411 Bie annex G, UGL
Norm/Classmen/norma/Standard

SPESORE mm. 8,5 - 9 - thickness 0.3" - 0.35"
Epaisseur / Espesor / Stärke / Толщина

VALORI TIPICI
Typical values
Valeurs typiques
Typische Werte
Характерные значения

VALORI LIMITE PREVISTI
Expected limit values
Valeurs limites prévues
Erwartete Grenzwerte
Предусмотренные предельные значения

	DIMENSIONI Size / dimensions / dimensions / Abmessungen / Технические характеристики	UNI EN ISO 10545-02	Conforme	REQUISITI INDICATI NELLA NORMA Requirements of standard / Requêtes indiquées en la norme / Exigences visées par la norme / Anforderungen in der Norm angegeben / Требования стандарта UNI EN 14411 G
	ASSORBIMENTO D'ACQUA Water Absorption / Absorción de agua / Absorption d'eau / Wasseraufnahme / Водопоглощение	UNI EN ISO 10545-03	Matt 8,5mm <= 0.5% Safe 8,5mm <= 0.5% Matt 9mm <= 0.5% Safe 9mm <= 0.5%	<= 0.5% UNI EN 14411 G
	FORZA DI ROTTURA Breaking strength / Carga de rotura / Résistance aux chocs / Bruchlast / Разрушающие усилия	UNI EN ISO 10545-0	Matt 8,5mm > 1500 N Safe 8,5mm > 1500 N Matt 9mm > 1500 N Safe 9mm > 1500 N	1500 N min UNI EN 14411 G
	RESISTENZA ALLA FLESSIONE Modulus of rupture / Resistencia a la flexión / Résistance à la flexion / Biegefestigkeit / Стойкость изгиба	UNI EN ISO 10545-04	Matt 8,5mm > 35 N/mm² Safe 8,5mm > 35 N/mm² Matt 9mm > 35 N/mm² Safe 9mm > 35 N/mm²	35 N/mm² min UNI EN 14411 G
	RESISTENZA ALL'URTO Shock resistance / Resistencia al choque / Résistance aux chocs / Stoßfestigkeit / Сопротивление удару	UNI EN ISO 10545-05	COEFFICIENTE DI RESTITUZIONE Restitution coefficient / Coefficient de restitution / Restitutionskoeffizient / Коэффициент возврата Matt 8,5mm >= 0.66 Safe 8,5mm >= 0.66 Matt 9mm >= 0.66 Safe 9mm >= 0.66	METODO DI PROVA DISPONIBILE Available test method / Método de prueba disponible / Méthode d'essai disponible / Verfügbare Testmethode / Доступная методика испытаний UNI EN 14411 G
	RESISTENZA ALL'ABRASIONE PROFONDA Resistance to deep abrasion / Resistencia a la abrasión profunda / Résistance à l'abrasion profonde / Tiefenabriebfestigkeit / Стойкость к глубокому истиранию	UNI EN ISO 10545-06	Matt 8,5mm <= 175 mm³ Safe 8,5mm <= 175 mm³ Matt 9mm <= 175 mm³ Safe 9mm <= 175 mm³	175 mm³ max UNI EN 14411 G
	DILATAZIONE TERMICA LINEARE Linear thermal expansion / Dilatación térmica lineal / Dilatation thermique linéaire / Thermische Dilatation / Линейное термическое расширение	UNI EN ISO 10545-08	Matt 8,5mm < 8 Safe 8,5mm < 8 Matt 9mm < 8 Safe 9mm < 8 80-120 °C	METODO DI PROVA DISPONIBILE Available test method / Método de prueba disponible / Méthode d'essai disponible / Verfügbare Testmethode / Доступная методика испытаний UNI EN 14411 G
	RESISTENZA AGLI SBALZI TERMICI Thermal shock resistance / Resistencia al choque térmico / Résistance aux chocs thermiques / Temperaturwechselbe- ständigkeit / Стойкость к толчковым перепадам	UNI EN ISO 10545-09	Resistant / Resist / Résistant / Resistend / Crokkan Matt 8,5mm Resist Safe 8,5mm Resist Matt 9mm Resist Safe 9mm Resist	METODO DI PROVA DISPONIBILE Available test method / Método de prueba disponible / Méthode d'essai disponible / Verfügbare Testmethode / Доступная методика испытаний UNI EN 14411 G
	DILATAZIONE DOVUTA ALL'UMIDITÀ Determination of moisture expansion / Dilación causada por la humedad / Détermination de la dilatation à l'humidité / Ausdehnung auf Grund von Feuchtigkeit / Расширение под воздействием влажности	UNI EN ISO 10545-10	Matt 8,5mm 0,1% Safe 8,5mm 0,1% Matt 9mm 0,1% Safe 9mm 0,1%	METODO DI PROVA DISPONIBILE Available test method / Método de prueba disponible / Méthode d'essai disponible / Verfügbare Testmethode / Доступная методика испытаний UNI EN 14411 G
	RESISTENZA AL GELO Frost resistance / Resistencia al hielo / Résistance au gel / Frostbeständigkeit / Морозостойкость	UNI EN ISO 10545-12	Resistant / Resist / Résistant / Resistend / Crokkan Matt 8,5mm Resist Safe 8,5mm Resist Matt 9mm Resist Safe 9mm Resist	RICHIESTA Required / Solicitado / Requies / Gefordert / Требуется UNI EN 14411 G
	RESISTENZA ALL'ATTACCO CHIMICO Chemical resistance / Resistencia al ataque químico / Résistance chimique / Chemische Beständigkeit / Стойкость химическому воздействию	UNI EN ISO 10545-13	Matt 8,5mm A Safe 8,5mm A Matt 9mm A Safe 9mm A Matt 8,5mm LA - HA Safe 8,5mm LA - HA Matt 9mm LA - HA Safe 9mm LA - HA	REQUISITI INDICATI NELLA NORMA Requirements of standard / Requêtes indiquées en la norme / Exigences visées par la norme / Anforderungen in der Norm angegeben / Требования стандарта UNI EN 14411 G
	RESISTENZA ALLE MACCHIE Stain resistance / Resistencia a las manchas / Résistance aux taches / Fleckenbeständigkeit / Стойкость к загрязнению	UNI EN ISO 10545-14	Class / Classe / Kategorie / Klasse / Klass Matt 8,5mm Classe 4 Safe 8,5mm Classe 4 Matt 9mm Classe 4 Safe 9mm Classe 4	Classe 3 min Class 3 min / Classe 3 min / Kategorie 3 min / Klasse 3 min / Klasse 3 min UNI EN 14411 G
	RESISTENZA ALLO SCIVOLAMENTO Slip resistance / Resistencia al deslizamiento / Résistance au glissement / Rutschfestigkeit / Сопротивление скольжению	DIN EN 16165:2021 Annex B	Matt 8,5mm R10 Safe 8,5mm R11 Matt 9mm R10 Safe 9mm R11	Da R9 a R13 From R9 to R13 / De R9 a R13 / De R9 à R13 / Von R9 auf R13 / Dr R9 go R13 BGR 181
	RESISTENZA ALLO SCIVOLAMENTO A PIEDI NUDI Slip resistance barefoot / Resistencia al deslizamiento con pies descalzos / Résistance au glissement pieds nus / Rutschfestigkeit fuür den Barfußbereich / Сопротивление скольжению приходящим босиком	DIN EN 16165:2021 Annex A	Matt 8,5mm A+B Safe 8,5mm A+B+C Matt 9mm A+B Safe 9mm A+B+C	Da A a C From A to C / De A a C / De A à C / Von A auf C / Dr A go C GUV 26.7
	DETERMINAZIONE COEFFICIENTE ATTRITO STATICO Static coefficient of friction C.O.F. / Determinación del coeficiente de fricción estático / Calcul du coefficient de frottement statique sec mouillé / Bestimmung des statischen Reibungskoeffizienten Trockenreibung Nassreibung / Определение коэффициента статического трения сухая поверхность мокрая поверхность	ASTM C 1028	Matt 8,5mm DRY 0,94 WET 0,46 Safe 8,5mm DRY 0,96 WET 0,76 Matt 9mm DRY 0,94 WET 0,46 Safe 9mm DRY 0,96 WET 0,76	
	DETERMINAZIONE COEFFICIENTE ATTRITO DINAMICO Dynamic coefficient of friction D.C.O.F. / Determinación del coeficiente de fricción dinámica / Calcul du coefficient de frottement dynamique sec mouillé / Bestimmung des statischen Reibungskoeffizienten Trockenreibung Nassreibung / Определение коэффициента динамического трения сухая поверхность мокрая поверхность	ANSI A326.3	Matt 8,5mm DRY - WET 0,50 Safe 8,5mm DRY - WET 0,70 Matt 9mm DRY - WET 0,50 Safe 9mm DRY - WET 0,70	
	STONALIZZAZIONE Shade Variation / Dénuancement / Variedad de tonalidades / Farbspiel / Разнообразие		V2	V1 Uniforme / Uniform / Uniforme / Uniforme / Gleichmäßig / Однородно V2 Luggere / Low / Légère / Ligera / Leicht / Лёгкое V3 Media / Medium / Moyenne / Media / Mittel / Среднее V4 Alta / High / Haute / Alto / Hoch / Высокое



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Technical characteristics / Caractéristiques techniques
Características técnicas / Technische Eigenschaften / Технические характеристики

Classificazione secondo NORMA EN 14411 Bl annex G, UGL
Norm/Classment/norma/Standard

SPESSORE mm. 6 - 20 - thickness 0.24" - 0.8"
Epaisseur / Espesor / Stärke / Толщина

VALORI TIPICI
Typical values
Valeurs typiques
Typische Werte
Характерные значения

VALORI LIMITE PREVISTI
Expected limit values
Valeurs limites prévues
Erwartete Grenzwerte
Предусмотренные предельные значения

	DIMENSIONI Size / dimensions / dimensions / Abmessungen / Технические характеристики	UNI EN ISO 10545-02	Conforme	REQUISITI INDICATI NELLA NORMA Requirements of standard / Requisitos indicados en la norma / Exigencias visadas por la norma / Anforderungen in der Norm angegeben / Требования стандарта UNI EN 14411 G
	ASSORBIMENTO D'ACQUA Water Absorption / Absorción de agua / Absorption d'eau / Wasseraufnahme / Водопоглощение	UNI EN ISO 10545-03	Matt 6mm <= 0.5% Grip 20mm <= 0.5%	<= 0.5% UNI EN 14411 G
	FORZA DI ROTTURA Breaking strength / Carga de rotura / Résistance aux chocs / Bruchlast / Разрушающее усилие	UNI EN ISO 10545-04	Matt 6mm > 700 N Grip 20mm > 5000 N	1300 N min UNI EN 14411 G
	RESISTENZA ALLA FLESSIONE Modulus of rupture / Resistencia a la flexión / Résistance à la flexion / Biegefestigkeit / Стойкость на изгиб	UNI EN ISO 10545-04	Matt 6mm > 35 N/mm² Grip 20mm > 50 N/mm²	35 N/mm² min UNI EN 14411 G
	RESISTENZA ALL'URTO Shock resistance / Resistencia al choque / Résistance aux chocs / Stoßfestigkeit / Сопротивление удару	UNI EN ISO 10545-05	Matt 6mm > - Grip 20mm > -	METODO DI PROVA DISPONIBILE Available test method / Método de prueba disponible / Méthode d'essai disponible / Verfügbare Testmethode / Доступные методы испытаний UNI EN 14411 G
	RESISTENZA ALL'ABRASIONE PROFONDA Resistance to deep abrasion / Resistencia a la abrasión profunda / Résistance à l'abrasion profonde / Tiefenabriebfestigkeit / Стойкость к глубокому истиранию	UNI EN ISO 10545-06	Matt 6mm <= 75 mm³ Grip 20mm <= 75 mm³	75 mm³ max UNI EN 14411 G
	DILATAZIONE TERMICA LINEARE Linear thermal expansion / Dilatación térmica lineal Dilatation thermique linéaire / Thermische Dilatation Линейное тепловое расширение	UNI EN ISO 10545-08	Matt 6mm ΔL Grip 20mm -	METODO DI PROVA DISPONIBILE Available test method / Método de prueba disponible / Méthode d'essai disponible / Verfügbare Testmethode / Доступные методы испытаний UNI EN 14411 G
	RESISTENZA AGLI SBALZI TERMICI Thermal shock resistance / Resistencia al choque térmico Résistance aux chocs thermiques / Temperaturwechselbeständigkeit Стойкость к термическим перепадам	UNI EN ISO 10545-09	Resistant / Resist / Résistant / Beständig / Crokiva Matt 6mm Resist Grip 20mm Resist	METODO DI PROVA DISPONIBILE Available test method / Método de prueba disponible / Méthode d'essai disponible / Verfügbare Testmethode / Доступные методы испытаний UNI EN 14411 G
	DILATAZIONE DOWUTA ALL'UMIDITÀ Determination of moisture expansion / Dilación causada por la humedad / Détermi- nation de la dilatation à l'humidité / Ausdehnung auf Grund von Feuchtigkeit / Расширение под воздействием влажности	UNI EN ISO 10545-10	Matt 6mm - Grip 20mm -	METODO DI PROVA DISPONIBILE Available test method / Método de prueba disponible / Méthode d'essai disponible / Verfügbare Testmethode / Доступные методы испытаний UNI EN 14411 G
	RESISTENZA AL GELO Frost resistance / Resistencia al hielo / Résistance au gel / Frostbeständigkeit / Морозостойкость	UNI EN ISO 10545-12	Resistant / Resist / Résistant / Beständig / Crokiva Matt 6mm Resist Grip 20mm Resist	RICHIESTA Required / Solicitado / Requisit / Gefordert / Требуется UNI EN 14411 G
	RESISTENZA ALL'ATTACCO CHIMICO Chemical resistance / Resistencia al ataque químico / Résistance chimique / Che- mische Beständigkeit / Стойкость к химическому воздействию	UNI EN ISO 10545-13	Matt 6mm A Grip 20mm A	B Min UNI EN 14411 G
	RESISTENZA ALLE MACCHIE Stain resistance / Resistencia a las manchas / Résistance aux taches / Flackenbeständigkeit / Стойкость к загрязнению	UNI EN ISO 10545-14	Class / Class / Kategorie / Klasse / Klasse Matt 6mm Classe 4 Grip 20mm Classe 5	Classe 3 min Class 3 min / Classe 3 min / Kategorie 3 min / Klasse 3 min / Klasse 3 min UNI EN 14411 G
	RESISTENZA ALLO SCIVOLAMENTO Slip resistance / Resistencia al deslizamiento / Résistance au glissement / Rutschfestigkeit / Сопротивление скольжению	DIN EN 16165:2021 Annex B	Matt 6mm R9 Grip 20mm R11	Da R9 a R13 From R9 to R13 / De R9 a R13 / De R9 à 13 / Von R9 auf R13 / Dr R9 pp R13 BGR 181
	RESISTENZA ALLO SCIVOLAMENTO A PIEDI NUDI Slip resistance barefoot / Resistencia al deslizamiento con pies descalzos / Résistance au glissement pieds nus / Rutschfestigkeit fuhr den Barfußbereich / Сопротивление скольжению при ходьбе босиком	DIN EN 16165:2021 Annex A	Matt 6mm A Grip 20mm A+B+C	Da A a C From A to C / De A a C / De A à C / Von A auf C / Dr A pp C GUV 26.17
	DETERMINAZIONE COEFFICIENTE ATTRITO STATICO Static coefficient of friction C.O.F. / Determinación del coeficiente de fricción estática / Calcul du coefficient de frottement statique sec mouillé / Bestimmung des statischen Reibungskoeffizienten Trockenreibung Nassreibung / Определение коэффициента статического трения сухая поверхность мокрая поверхность	ASTM C 1028	Matt 6mm DRY 0,91 WET 0,70 Grip 20mm DRY 0,60 WET 0,60	
	DETERMINAZIONE COEFFICIENTE ATTRITO DINAMICO Dynamic coefficient of friction D.C.O.F. / Determinación del coeficiente de fricción dinámica / Calcul du coefficient de frottement dynamique sec mouillé / Bestimmung des statischen Reibungskoeffizienten Trockenreibung Nassreibung / Определение коэффициента динамического трения сухая поверхность мокрая поверхность	ANSI A326.3	Matt 6mm DRY - WET >0,42 Grip 20mm DRY - WET >0,42	
	STONALIZZAZIONE Shade Variation / Dénuancement / Variedad de tonalidades / Farbpiel / Разнообразие		V2	V1 Uniform / Uniform / Uniform / Uniform / Gleichmäßig / Однородно V2 Lighter / Light / Lighter / Lighter / Lichter / Lichte / Lichte V3 Media / Medium / Moyenne / Media / Mittel / Среднее V4 Alta / High / Haute / Alta / Hoch / Высокое



Importer Details:

European Ceramic Tiles Ltd

Address: 7A Cowley Place, Rosedale, AKL 0632

NZBN: 9429037294571

Website: euroceramics.co.nz

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

Fire Resistance

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

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

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

EXTRAORDINARY EFFECTS DURING USE PHASE:

Fire: According to /EN 13501-1:2007+A1:2009/, ceramic tiles can be classified as A1 class of fire resistance rating, because they do not contribute to fire.

It has been demonstrated that the coating of the ceramic tiles, in case of fire, reduces heat on them and thus the risk of collapse.

Water: Ceramic tiles cannot react with water because they are an insoluble material.

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

Design Requirements

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



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Installation Requirements

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

Maintenance Requirements

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



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