



European
Ceramics

TOUCH STONE RANGE

Product Name: **TOUCH STONE - 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%.

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



gres++		Gres Porcellanato - Porcelain Stoneware - Porcelain Stoneware - Porcelain Stoneware EN 14411:2012 ANNEX G GROUP Bia UGL	
Elevato contenuto di materiale riciclato High recycled content - Hoher Anteil an recyceltem Material Contenu élevé en matériau recyclé	eco+	Prodotto conforme ai requisiti LEED® - LEED® compliant product LEED® -konformes Produkt - Produit conforme aux critères LEED®	
Spessore - Thickness - Stärke - Epaisseur		9 mm	
Stonalizzazione - Shade variation Farbschattierungen - Variation de nuance		V3_Piastrelle con media variazione di tono e disegno Tiles with moderate shade and aspect variation Fiesen mit gemäßigt unterschiedlichen Tonalitäten und Muster Carreaux avec faible différence de nuance et structure	
Sviluppo Grafico - Graph Graphische Entwicklung - Développement graphique		60,4x60,4 64 grafiche digitali - 64 digital patterns - 64 digitale Grafiken - 64 graphiques numériques	
Applicazioni - Applications - Anwendungen - Applications		Pavimento e Rivestimento interno / Pavimento e rivestimento esterno (Esterno) Indoor walls and floors / Outdoor walls and floors (Outdoor) Boden und Innenverkleidung / Boden und Außenverkleidung (extern) Sol et revêtement intérieur / Sol et revêtement extérieur (Extérieur)	
Destinazioni d'uso - Destinations of use Zweck - Destinations d'usage		Residenziale / Commerciale a traffico leggero Residential areas / Commercial - light traffic Wohngebiete / Handel mit leichtem Verkehr Zones résidentielles / Commercial à faible affluence Commerciale a traffico pesante (Naturale / Esterno) Commercial - heavy traffic (Unpolished / Outdoor) Handel mit schwerem Verkehr (Matt / Aussenbereich) Commercial à forte affluence (Naturel / Extérieur) Zone limitrofe a piscina (Esterno) Swimming pool areas (Outdoor) Schwimmbadbereich (Aussenbereich) Abords de piscines (Extérieur) Rivestimenti esterni / Pareti ventilate External cladding / Ventilated facade Aussenverkleidung / Hinterlüftete Fassaden Murs extérieurs / Facades ventilées	
CARATTERISTICHE TECNICHE - TECHNICAL FEATURES - TECHNICAL FEATURES TECHNICAL FEATURES			
ISO 10545-12		Resistente al gelo - Frost resistant - Frostbeständig - Résistant au gel	
B.C.R.A.		Naturale / Esterno DRY: > 0,40 WET: > 0,40	
DIN EN 16165:2021 ANNEX B		Naturale R10	
DIN EN 16165:2021 ANNEX B DIN EN 16165:2021 ANNEX A		Esterno R11 A+B	
DCOF AcuTestSM ANSI A326.3*		Naturale WET: ≥ 0.42 Esterno WET: ≥ 0.55	

* DCOF Test su superficie Levigato-Matt disponibile su richiesta. - DCOF Test on Polished-Matte surface available on request.
DCOF-Test auf Poliert-Matt Oberfläche auf Anfrage. - RESISTENTE DCOF Test sur surface Poli-Matt disponible sur demande.

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/ Sustainability



Una sostenibilità certificata
Touch Stone è realizzata nel rispetto dell'ambiente attraverso processi certificati in conformità con le norme internazionali a livello di qualità (UNI EN ISO 9001:2015), ambiente (ISO 14001:2015 EMAS), sicurezza (UNI EN ISO 45001:2018) e secondo le norme "17899-1 Sustainability for ceramic tiles", che hanno ottenuto per questo il riconoscimento di eccellenza gestionale da parte di Certiquality.

Zertifizierte Nachhaltigkeit
Touch Stone wird in Bezug auf die Umwelt durch Prozesse realisiert, die in Übereinstimmung mit internationalen Normen auf der Ebene der Qualität (UNI EN ISO 9001:2015), der Umwelt (ISO 14001:2015 EMAS), der Sicherheit (UNI EN ISO 45001:2018) und gemäß der Norm 17899-1 Nachhaltigkeit für Keramikfliesen zertifiziert sind, die durch die Anerkennung der Verwaltungsgüte durch Certiquality erhalten haben.

Certified sustainability
Touch Stone is made with respect for the environment through processes certified in compliance with international standards on quality (UNI EN ISO 9001:2015), environment (ISO 14001:2015 EMAS), and safety (UNI EN ISO 45001:2018) and according to the "17899-1 Sustainability for Ceramic Tiles" standard, which have obtained the recognition of management excellence from Certiquality.

Une durabilité certifiée
Touch Stone est réalisée dans le respect de l'environnement à travers des processus certifiés en conformité avec les normes internationales en matière de qualité (UNI EN ISO 9001:2015), d'environnement (ISO 14001:2015 EMAS) et de sécurité (UNI EN ISO 45001:2018) et selon la norme "17899-1 Sustainability for ceramic tiles", qui ont obtenu pour cela la reconnaissance d'excellence en matière de gestion de la part de Certiquality.



Performance energetiche ed isolamento termico
Touch Stone garantisce un'ottima performance energetica e un buon isolamento termico, grazie anche all'elevato indice di rifrazione della luce. Touch Stone, per le sue caratteristiche tecnico-strutturali e per l'elevato contenuto di materiale riciclato, può contribuire al raggiungimento del punteggio di un edificio secondo i parametri LEED® (Leadership in Energy and Environmental Design).

Energieleistung und Wärmedämmung
Touch Stone bietet eine hervorragende Energieleistung und gute Wärmedämmung, auch dank seines hohen Lichtbrechungsindex. Touch Stone kann aufgrund seiner technisch-strukturellen Eigenschaften und seines hohen Anteils an recyceltem Material dazu beitragen, dass ein Gebäude nach dem LEED®-Parametern (Leadership in Energy and Environmental Design) bewertet wird.

Energy performance and thermal insulation
Touch Stone guarantees excellent energy performance and good thermal insulation, thanks also to its high refractive index. Due to its technical-structural characteristics and high content of recycled materials, Touch Stone can contribute to a building's LEED® score (Leadership in Energy and Environmental Design).

Performances énergétiques et isolation thermique
Touch Stone garantit une excellente performance énergétique et une bonne isolation thermique, grâce aussi à l'indice élevé de réfraction de la lumière. Touch Stone, de par ses caractéristiques technico-structurales et son contenu élevé en matériau recyclé, peut contribuer à atteindre le score d'un édifice selon les paramètres LEED® (Leadership in Energy and Environmental Design).



Realizzato con materie prime provenienti da risorse locali
Coem si approvvigiona da cave che seguono un programma di ripristino morfologico e vegetazionale in linea con le direttive ambientali, al fine di salvaguardare la biodiversità del territorio, privilegiando nell'acquisto materie prime locali entro un raggio di 800 Km.

Herstellt mit Rohstoffen aus lokalen Ressourcen
Coem bezieht seine Rohstoffe aus Steinbrüchen, die ein Programm zur Wiederherstellung der Morphologie und der Vegetation in Übereinstimmung mit den Umweltauflagen verfolgen, um die biologische Vielfalt des Gebiets zu schützen, und bevorzugt lokale Rohstoffe in einem Umkreis von 800 km.

Made with locally sourced raw materials
Coem sources its raw materials from quarries that follow a programme aimed at restoring the landscape and vegetation in line with environmental directives in order to safeguard the biodiversity of the territory. For this reason, it gives preference to local raw materials within a radius of 800 Km.

Réalisé avec des matières premières issues de ressources locales
Coem s'approvisionne dans des carrières qui suivent un programme de restauration morphologique et végétative en accord avec les directives environnementales, afin de sauvegarder la biodiversité du territoire, en privilégiant l'achat de matières premières locales dans un rayon de 800 Km.



Elevato contenuto di materiale riciclato

Touch Stone è realizzata con un elevato contenuto di materiale riciclato e scarti industriali. Vengono riciclati internamente il 93% degli scarti del processo produttivo e solo il 7% viene recuperato da aziende autorizzate in esterno, riducendo in questo modo l'uso di materie prime vergini.

Hoher Anteil an recyceltem Material
Touch Stone wird mit einem hohen Anteil an recyceltem Material und Industriestoffen hergestellt. Dreizehn Prozent der Abfälle aus dem Produktionsprozess werden intern recycelt und nur sieben Prozent werden von berechtigten Unternehmen extern verwertet, wodurch der Einsatz neuer Rohstoffe reduziert wird.

High recycled content

Touch Stone is manufactured with a high content of recycled material and industrial waste. 93% of the waste from the production process is recycled internally, and only 7% is recovered from authorised external companies, thus reducing the use of virgin raw materials.

Contenu élevé en matériau recyclé
Touch Stone est réalisée avec un contenu élevé en matériau recyclé et en déchets industriels. 93% des déchets du processus de production sont recyclés en interne et 7% seulement sont récupérés par des entreprises autorisées en externe, réduisant ainsi de cette manière l'utilisation de matières premières vierges.



Imballi riciclabili al 100%
La tecnologia utilizzata per l'imballaggio permette di ridurre il consumo di cartone fino al 50%. L'imballo di Touch Stone è composto da materiale riciclato e completamente riciclabile.

100% recyclebare Verpackung
Die für die Verpackung verwendete Technologie ermöglicht es, den Kartonverbrauch um bis zu 50% zu reduzieren. Die Verpackung von Touch Stone ist aus recyceltem und vollständig recyclebarem Material hergestellt.

100% recycled packaging
The technology used for packaging makes it possible to reduce cardboard consumption by up to 50%. The packaging of Touch Stone is made of recycled and fully recyclable material.

Emballages recyclables à 100%
La technologie utilisée pour l'emballage permet de réduire jusqu'à 50% de consommation de carton. L'emballage de Touch Stone est composé de matériau recyclé et complètement recyclable.

Coem / Touch Stone

A—35

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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