

# CRUSHED TERRAZZO GREIGE MATT 600x600



## Class 1 Building Product Information Requirements Self-Assessment

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Product Name: CRUSHED TERRAZZO GREIGE MATT 600x600

Product Identifier: CRUTERGRM60

Product Description: A glazed porcelain tile with an R10 matt finish and a water absorption rate of less than 0.50%.

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## Building Code Obligations

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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



BPIR COMPLIANT



Scope	Use
B2 Durability	See below Suitability table.
C3 Fire	The Building Code relating to fire ratings regulation and 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	Acceptable for use under D1/AS1
E3 Internal Moisture	E3 Internal Moisture (AS1 and AS2) 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 about a complete system and installation details (i.e. Compliant and approved Waterproofing and sealing joints) as well as impervious products. E3/AS1 provides some useful design details, albeit without much product material information on compliant systems that meet the durability requirements of B2 that requires 15 years performance and a Producer Statement (PS3) for waterproofing.
G3 Food Preparation and Prevention from Contamination	As an Impervious and easy to clean Surface this range complies
G6 Airborne and Impact Sound	If required Tiles can form part of an acoustic system to comply with IIC and STC in conjunction with an approved third-party system.

Suitability	Residential	Light Commercial	Commercial	Industrial
Indoor Floor	✓	✓	✓	-
Indoor Walls	✓	✓	✓	✓
Outdoor Floor	✓	✓	✓	✓
Outdoor Cladding	✓	✓	✓	✓
Frost Resistant	✓	✓	✓	✓
Swimming Pool Submerged	✓	✓	✓	✓
Swimming Pool Surround	✓	✓	✓	✓
Paving	-	-	-	-
Over Underfloor Heating	✓	✓	✓	✓
Commercial Kitchen Wall	✓	✓	✓	✓
Within 1.5m of a Plumbing Fixture or Fitting	✓	✓	✓	✓

Specifications	
CODE	CRUTERGRM60
TILE SIZE (mm)	600x600
THICKNESS (mm)	9.5
SUITABILITY	Floor/Wall
FINISH	Matt
CLASS	PEI Class 4: Moderate to heavy traffic, All residential as well as medium commercial and light industrial.
RECTIFIED	Yes
WEIGHT (kg)	8.00
COEFFICIENT OF FRICTION	0.42
SLIP RATING	R10
TILES PER BOX	4
M2 PER BOX	1.44
PATTERNS/FACES	20
COUNTRY OF ORIGIN	China

## Building Code Clause and Contribution

### **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.

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

**D1 – Access routes**

For D1 access routes, in most cases product-related compliance for access routes are 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.

**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.

Manufacturer Details:

Tile Warehouse Approved



Importer Details:

Tile Warehouse Limited

Address: 286 Church Street, Onehunga, AKL 1061

NZBN: 9429041069448

Website: [www.tilewarehouse.co.nz](http://www.tilewarehouse.co.nz)



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国际互认  
检测  
TESTING  
CNAS No.140618-WT1285E

## National Center of Supervision and Inspection for Ceramic Sanitary and Plumbing Fixture Test Report

Form No.: QR-CX049-01A/Ed.10.0

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Product Name, Model and Dimension Trademark/Grade	DS60TR07R-M Terrazzo/600mm×600mm×10mm —/—	Production Date/ Production Batch	—/—
		Sample Number	—
Client	FOSHAN DOSUNTILES CO.,LTD	Test Category	Entrusted Test
Client Address	No.3-10, Shangbei Complex Building, Jihua 4 Road, Chancheng Area,Foshan City, China.	Sample Quantity / Method of Sample Receipt	12 PIECES / Provided by client
Manufacturer (As the Applicant Claimed)	FOSHAN DOSUNTILES CO.,LTD	Date of Sample Receipt	2022-01-30
Manufacturer Address (As the Applicant Claimed)	/	Sample received by	Li Dongping
Sample Character and State	PIECES (The surface of the tile is glazed)	Test Date	2022-01-30 ~ 2022-02-10
Test Basis	ISO 13006: 2012 (Annex G) Ceramic Tiles Annex G (normative) Dry-pressed ceramic tiles with low water absorption $E_b \leq 0.5\%$ Group B1a		
Test  Result	Except the test items No.12~No.15 are not verdict, the test results comply with the requirement of the standard ISO 13006:2012 Annex G  Any copy of test report is invalid without official test seal		
Remarks	The test report is only responsible for the sample		



Approved by: 王卓妮

Checked by: 王卓妮

Tested by: 梁国军





中国认可  
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检测  
TESTING  
CNAS L1401

## National Center of Supervision and Inspection for Ceramic Sanitary and Plumbing Fixture Test Report

No.: G18-WT1285E

Form No.: QR-CX049-02A/Ed.10.0

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No.	Test Items	Unit	Technical Requirements		Test Results	Verdict	
1.	Size and difference	%	Length	The deviation, of the average size for each tile from the work size	±0.6	-0.02~+0.02	Pass
		mm			±2.0	-0.1~+0.1	
		%	Thickness	The deviation, of the average size for each tile from the work size	±5	-3.0~-1.0	
		mm			±0.5	-0.3~-0.1	
2.	Straightness of sides	%	±0.5		-0.02~+0.03	Pass	
		mm	±1.5		-0.12~+0.16		
3.	Rectangularity	%	±0.5		-0.02~+0.03	Pass	
		mm	±2.0		-0.10~+0.15		
4.	Surface flatness	%	Edge curvature		±0.5	-0.03~+0.02	Pass
		mm			±2.0	-0.15~+0.11	
		%	Warpage		±0.5	-0.02~+0.02	
		mm			±2.0	-0.14~+0.16	
		%	Center curvature		±0.5	-0.03~+0.01	
		mm			±2.0	-0.22~+0.12	
5.	Surface quality	---	A minimum of 95% of the tiles shall be free from visible defects that would impair the appearance of a major area of tiles.		Conformed	Pass	
6.	Water absorption	%	Average maximum 0.5 Individual maximum 0.6		0.07 0.05~0.09	Pass	
7.	Breaking strength	N	When the thickness ≥ 7.5mm, the mean value shall not be less than 1300		1895	Pass	
8.	Modulus of rupture	MPa	Average minimum 35		36	Pass	
			Individual minimum 32		34~37		
9.	Crazing resistance	---	No crazing or peeling on the glazed surface after the crazing test.		Conformed	Pass	
10.	Resistance to staining	----	Minimum class 3		Class 5	Pass	
11.	Resistance to household chemicals & swimming pool salts	----	Minimum B		Class A	Pass	





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CNAS L1401

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No.	Test Items	Unit	Technical Requirements	Test Results	Verdict
12.	Resistance to low concentrations of acids and alkalis	---	Report the class after the tests	Class LA	---
13.	Resistance to high concentrations of acids and alkalis	---	Report the class after the tests	Class HA	---
14.	Resistance to surface abrasion of glazed tiles intended for use on floors	---	Report abrasion class and cycles passed	2100 cycles Class 4	---
15.	Resistance to thermal shock	---	Report the test result after test	No crack	---
(The End)					



佛山市陶瓷研究所检测有限公司

Foshan Ceramics Research Institute Testing Co., Ltd.

# 检测报告

Test Report



中国认可  
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TESTING  
CNAS L2346

报告编号(Report No.): L4700/FH211110-001

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样品名称 Name of Sample	水磨石 Terrazzo DS60TR07R -M	样品描述 Shape of Sample	块状 block
委托单位 Applicant	佛山市都盛陶瓷有限公司 FOSHAN DOSUNTILES CO.,LTD	收样日期 Received Date	2021/11/10
检测周期 Test Period	2021/11/10-2021/11/13	报告日期 Reported Date	2021/11/13
检测项目 Testing Category	详见报告内容 The report		
检测标准 Test Standard	AS 4586-2013 附录 A		
客户信息 Client Information	----		

## 检测结果 (Results of Inspection)

样品名称 Name of sample	检测项目 Test Item	结果 Test Results
水磨石 Terrazzo DS60TR09R-M	防滑性能 (湿法摆锤法) Slip resistance (Wet pendulum test)	测试值 Test Value: 36 等级 Class: P3

AS 4586-2013 防滑性能测试分级:

防滑等级 Slip resistance class	测试值 Pendulum SRV(Slider 55)
P5	>44
P4	40-44
P3	35-39
P2	20-34
P1	<20

以下空白 The following blank.

本报告相关检测项目暂未取得 CMA 资质认定, 仅作为科研、教学或内部质量控制之用。

The test items in this report have not been certified by CMA, and are only used for scientific research, teaching or internal quality control

声明:

1. 检测结果仅对来样负责, 样品保留至报出结果后 15 天。The results in this report apply to the samples only.  
 2. 检测报告盖章有效, 报告部分复印无效。The Report is valid with the inspection organization stamp.  
 3. 若对检测结果有异议, 请于收到结果之日起 15 天内向本公司提出。Telling us in 15 days since you receive the report when you have any question with the test results.

单位盖章:

Stamp:

表格号: JL/R/01

授权签字人: 高勇城

Authorized Organization:

审核:

Approval:



高勇城

陈伟民



# FIRE PERFORMANCE

## BE 100% CONFIDENT IN THE PRODUCTS YOU SPECIFY



*“ The Grenfell Tower tragedy in London highlights the importance to specifiers of ensuring the products they specify (from flooring to cladding materials) are fire-resistant in order to conform to the building code relating to fire rating regulations. ”*

## TILES DO NOT REQUIRE TESTING AS THEY DO NOT CONTRIBUTE TO FIRE

In New Zealand, fire ratings are required by the Building Code to ensure that if a building is on fire, its construction materials do not significantly increase the spread or intensity of a fire. Tiles, being non-combustible, do not require testing as they do not contribute to fire. Aside from this, tiles by nature do not contain any form of petroleum-based product or wood fibres and are in essence, fire-proof and non toxic!

**The building code relating to fire rating regulations and standards became 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.

### WHAT YOU NEED TO KNOW:

- Because most ceramics are manufactured at over 1000 degrees celsius, they become fire-resistant and therefore an obvious choice for both commercial and residential floor and wall surfaces. For example, if a lighted cigarette is dropped on the floor, it will not do any damage to the tile. Even hot kitchen pans or skillets will not scorch or melt the surface of tile, let alone set the tile on fire.
- Tiles are non-combustible so do not catch fire, nor do they give off toxic fumes in the form of VOC's (Volatile Organic Compounds) affecting breathing, when exposed to fire.
- During the manufacture of tiles, any VOC's that may have been present in clays or binders are completely burned away which ensures the final product is inert.



A safe and simple approach with regards to Fire performance in products is to utilise tile for both **Floor** and **Wall** areas. To view latest styles and designs to suit Commercial Projects, see our tile and stone range; <https://www.tilewarehouse.co.nz/tile-stone-range/>