

# VILLA STONE MILANO GREY PAVER GRIP

## 600x600



### Class 1 Building Product Information Requirements Self-Assessment

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Product Name: VILLA STONE MILANO GREY PAVER GRIP 600x600

Product Identifier: VILSTMGPA60

Product Description: A glazed porcelain tile with an grip 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	VILSTMGPA60
TILE SIZE (mm)	600x600
THICKNESS (mm)	20
SUITABILITY	Floor
FINISH	Grip
CLASS	PEI Class 4: Moderate to heavy traffic, All residential as well as medium commercial and light industrial.
RECTIFIED	Yes
WEIGHT (kg)	16.00
COEFFICIENT OF FRICTION	0.71
SLIP RATING	
TILES PER BOX	2
M2 PER BOX	0.72
PATTERNS/FACES	12
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)

**YOUR REF** : - **OUR REF.** : 0165/23  
**CLIENT** : CerAsia International Sdn Bhd **DATE RECEIVED** : 16/02/2023  
No. 2-2, Jalan Metro Pudu 1, **DATE TESTED** : 17/02/2023 -  
Fraser Business Park, 22/02/2023  
55200 Kuala Lumpur. **DATE OF ISSUE** : 24/02/2023  
W.P. K.L, Malaysia  
(Attn.: Miss Mardhiah)

**SAMPLE ID** : 60 x 60 CM GLAZED PORCELAIN TILES  
**NAME/CODE** : 6VILMG20-X / CERASIA GLAZED PORCELAIN VILLA STONE  
ANTI-SLIP MILANO GREY 600 X 600 X 20 MM SERIES  
**MANUFACTURER /** : CERASIA **TILE GROUP** : BIa  
**IMPORTER** : INTERNATIONAL SDN  
BHD  
**BRAND** : CERASIA **FINISHING** : ANTI-SLIP  
**QUANTITY RECEIVED** : 56 PCS 100 X 100 MM AND **SURFACE**  
5 PCS 200 X 200 MM PCS **EDGE FINISHING** : RECTIFIED  
**QUANTITY REQUIRED** : 56 PCS 100 X 100 MM AND **WORK SIZE** : 600.0 X 600.0 X  
5 PCS 200 X 200 MM PCS 20 MM  
**TILE TYPE** : GLAZED PORCELAIN **BATCH/SHADE** : SHADE 01  
**SAMPLE CONDITION** : GOOD CONDITION FOR TESTING  
**SUBJECT** : TESTING IN ACCORDANCE WITH MS ISO 10545  
PART 3 : DETERMINATION OF WATER ABSORPTION (2001)  
PART 7 : DETERMINATION OF RESISTANCE TO SURFACE  
ABRASION FOR GLAZED TILES (2001)  
PART 13 : DETERMINATION OF CHEMICAL RESISTANCE (2001)  
PART 14 : DETERMINATION OF RESISTANCE TO STAINS (2001)

**REPORTED BY**

**APPROVED SIGNATORY**

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AU FOON YEE

.....  
TENG CAI SZE

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The results relate only to the item(s) tested.

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**TEST REPORT**

REF NO : 0165/23  
SAMPLE CONDITION : GOOD CONDITION FOR TESTING  
BRAND : CERASIA  
PRODUCT TYPE : 60 x 60 CM GLAZED PORCELAIN TILES  
NAME/CODE : 6VILMG20-X / CERASIA GLAZED PORCELAIN VILLA STONE ANTI-SLIP MILANO GREY 600 X 600 X 20 MM SERIES

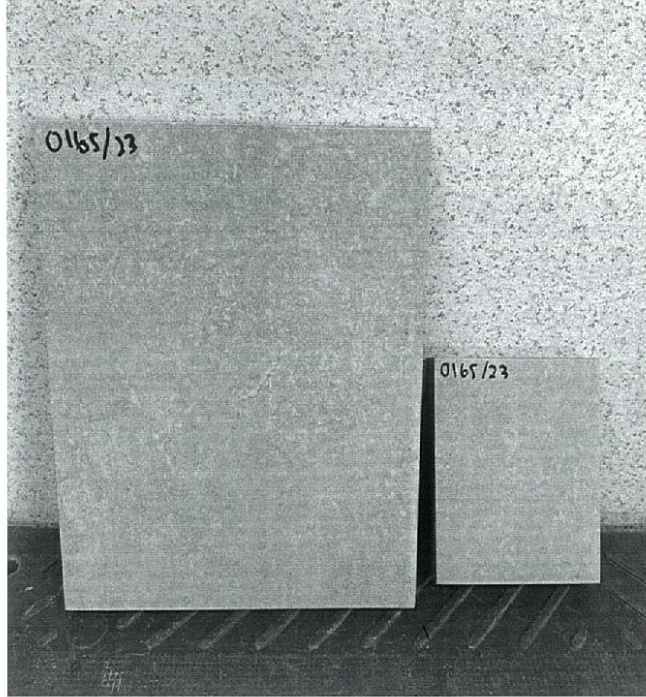
**SUMMARY OF TEST**

TEST METHOD	TYPE OF TEST	MS ISO 13006 (2020) REQUIREMENTS (ANNEX G)	RESULT
MS ISO 10545-3	<b>WATER ABSORPTION</b> Average, $E_v$ (%) Individual maximum (%)	$E_v \leq 0.5\%$ Individual maximum 0.6%	0.08 0.13
MS ISO 10545-7	<b>RESISTANCE TO SURFACE ABRASION</b> Abrasion stage at which visual failure occur (revolutions) Class Cycles passed at (revolution)	Report abrasion class and cycles passed	6000 4 2100

REPORTED BY : *Andy*

**APPENDIX**

REF NO : 0165/23  
NAME/CODE : 6VIL.MG20-X / CERASIA GLAZED PORCELAIN VILLA STONE ANTI-  
SLIP MILANO GREY 600 X 600 X 20 MM SERIES  
EDGE FINISHING : RECTIFIED  
BATCH/SHADE : SHADE 01  
PHOTO :



END OF REPORT





180000128206



中国认可  
国际互认  
检测  
TESTING  
CNAS L0624

### 淄博海关综合技术服务中心

### Comprehensive Technical Service Center of Zibo Customs

### 检测报告

### TESTING REPORT

No.37130009222200777

Client **CerAsia International Sdn Bhd** Sample mark  
 Address No. 2-2, Jalan Metro Pudu 1, Fraser Business Park, 55200 Kuala Lumpur, Malaysia Sample State Well  
 Amount/weight of sample(s) 6pcs Date of testing 2022-12-19  
 Date of Receipt of Sample 2022-12-14

#### Test Result

Samples No.	Samples Name	Test Items	The Results	Unit	Test Method
092022001289	地砖 6VILBB20-X 600×600×20mm	Breaking strength	13920、13926、13893、 13920、13912、13879、 Mean 13908。	N	ISO 10545-4: 2019

\*\*\*\*\*End\*\*\*\*\*

Edited by

*李薇*

Checked by

*陈林*

Approved by



Issued Date

2022.12.19

上述检验结果仅对送检样品负责。未经本实验室书面同意，不得部分复制，除非全部复制。 Above results only for the samples. The report shall not be reproduced except in full, without the written approval of the laboratory. 地址：中国山东淄博高新区鲁泰大道72号 Address: 72 Lutai Road, Gaoxin District, Zibo, Shandong, China 电话/传真 (TEL/FAX): (0533)

7993922/(0533)182596 邮编 (P.C.): 255031 电子邮箱 (EMAIL): 1664980777@qq.com

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180000128206



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检测  
TESTING  
CNAS L0624

### 淄博海关综合技术服务中心

### Comprehensive Technical Service Center of Zibo Customs

#### 检测报告

#### TESTING REPORT

编号 No. 37130009232200114

委托方: 淄博新澳华商贸有限公司  
Client: SD MODERN INTERNATIONAL CO.,LTD  
地址: 淄博市张店区联通路 26 号东方之珠南楼一单元 3001 室  
Address: No.26, LianTong Road, ZhangDia District, Zibo, Shandong, China  
样品数量/重量: 10 片  
Amount/weight of sample(s) 10pcs  
收样日期: 2023-03-10  
Date of Receipt of Sample

样品标识: /  
Sample mark  
样品状态: 完好  
Sample State: Well  
检测日期: 2023-03-16  
Date of testing

#### 检验结果:

#### Test Result

样品编号 Samples NO.	样品名称 Samples Name	项目名称 Test Items	检测结果 The Results	单位 Unit	检测方法 Test Method	
092023000167	地砖 CerAsia Villa Stone Milano Grey 100×100	耐化学腐蚀性 Chemical resistance	3%盐酸溶液 (V/V) Hydrochloric acid solution, 3% (V/V)	GLA	级 Class	GB/T 3810.13-2016
			柠檬酸溶液 (100g/L) Citric acid solution, 100g/L	GLA		
			氢氧化钾溶液 (30g/L) Potassium hydroxide, 30g/L	GLA		
		耐污染性 Resistance to stains	轻油中的绿色污染剂 (铬绿) Green staining agent in light oil (Chrome green)	5	级 Class	GB/T 3810.14-2016
			碘酒 (13g/L) Lodine, 13g/L solution in alcohol	5		
			橄榄油 Olive oil	5		

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Approved by



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Issued Date

2023.3.16

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**WET PENDULUM SLIP RESISTANCE TEST**
**Zanzibar Villa Stone finish: EXT**

**Prepared for:** Signorino Tile Gallery Pty Ltd  
 Joshua Smart  
 484 Church Street  
 RICHMOND VIC 3121

**Specimen Description:** Zanzibar Villa Stone finish: EXT, 150x150 mm.

**No. of Specimens:** 5 off (Sampling Conducted by Client)

**Specimen Preparation:** Washed with water and pH neutral detergent, rinsed then dried.

**Test Condition & Slope:** Unfixed, N/A

**Test Direction:** Test direction not applicable.

**Air Temperature:** 22°C

**Test Standard:** AS 4586:2013 Slip resistance classification of new pedestrian surface materials, Appendix A - Wet Pendulum Test

**Test Location:** ATTAR 44-48 Rocco Drive, Scoresby, VIC, 3179

**Test Date:** 5 July 2023

**Test Equipment:** Stanley Pendulum Skid Resistance Tester Serial Number 9359, Calibrated 14/10/2022.

**Slider Rubber:** Slider 96 Batch No. #20 prepared on P400 & 3µm lapping film.

**Test Personnel:** Jules Blewer

Specimen Number	1	2	3	4	5
Mean British Pendulum Number (BPN)	72	73	71	70	70
Slip Resistance Value (SRV)	71				
Classification	P5				

These results apply only to the specimens tested and it is recommended that before selection of flooring or paving materials the effect of service conditions, including maintenance procedures and wear on their slip resistance be checked. Where alternatives are permitted by the standard, the choice of rubber slider used may also influence the test results obtained.


 Jules Blewer  
 Compliance and Test Technician

Reviewed By:



 Daniel King BSc/BEng (mat) Hons., MIEAust  
 General Manager - Compliance Services  
 Approved Signatory



# 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/>