

# VENICE VILLA ZINC MATT 600x600



## Class 1 Building Product Information Requirements Self-Assessment

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Product Name: VENICE VILLA ZINC MATT 600x600

Product Identifier: VENZIM60

Product Description: A full body porcelain tile with an R10 matt finish and a water absorption rate of less than 0.06%.

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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	Not 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	VENZIM60
TILE SIZE (mm)	600x600
THICKNESS (mm)	0
SUITABILITY	Floor/Wall
FINISH	Matt
CLASS	Full body (through bodied) porcelain - Moderate to heavy traffic, All residential applications as well as heavy commercial.
RECTIFIED	Yes
WEIGHT (kg)	8.20
COEFFICIENT OF FRICTION	
SLIP RATING	R10
TILES PER BOX	3
M2 PER BOX	1.08
PATTERNS/FACES	UNLIMITED
COUNTRY OF ORIGIN	Italy

## 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)

## Caratteristiche tecniche Technical features

PROPRIETÀ FISICO-CHEMICHE PHYSICAL-CHEMICAL PROPERTIES PROPRIÉTÉS PHYSICO-CHIMIQUES PHYSISCH- CHEMISCHE EIGENSCHAFTEN	TIPO DI PROVA STANDARD OF TEST NORME DU TEST TESTNORM	VALORE PRESCRITTO REQUIRED VALUE VALEUR PRESCRITE VORGESCHRIEBENER WERT	VALORE MEDIO FMG FMG AVERAGE VALUE VALEUR MOYENNE FMG MITTELWERT FMG
 Dimensioni Sizes Dimensions Abmessungen	ISO 10545 2	Lunghezza e larghezza - Length and width - Longueur et largeur - Länge und Breite	± 0,5% max ± 0,1%
		Spessore - Thickness - Epaisseur - Dicke	± 5% max ± 5%
		Rettilinearità spigoli - Linearity - Rectitude des arêtes - Kantengeradheit	± 0,5% max ± 0,1%
		Ortogonalità - Wedging - Orthogonalität - Rechtwinkligkeit	± 0,5% max ± 0,1%
 Assorbimento d'acqua Water absorption Absorption d'eau Wasserhaufnahme	ISO 10545 3		± 0,5%
 Resistenza alla flessione Flexion resistance Résistance à la flexion Biegezugfestigkeit	ISO 10545 4	Modulo di rottura [R] Breaking modulus [R] Module de rupture [R] Bruchmodul [R]	≥ 35 N/mm <sup>2</sup>
		Spessore / Thickness / Epaisseur / Stärke	49 N/mm <sup>2</sup>
 Resistenza all'abrasione profonda Deep abrasion resistance Résistance à l'abrasion profonde Reibzugfestigkeit	ISO 10545 6	Metodo disponibile Test method available Méthode disponible Verfügbares Verfahren	Conforme / Conforms / Conforme / Konform
		Spessore / Thickness / Epaisseur / Stärke	Conforme / Conforms / Conforme / Konform
 Resistenza all'abrasione profonda Deep abrasion resistance Résistance à l'abrasion profonde Reibzugfestigkeit	ISO 10545 6	Max 175 mm <sup>2</sup>	140 mm <sup>2</sup>
 Coefficiente di dilatazione termica lineare Coefficient of linear thermal expansion Coefficient linéaire de dilatation thermique Lineare Wärmeausdehnung	ISO 10545 8	Metodo disponibile Test method available Méthode disponible Verfügbares Verfahren	6,5x10 <sup>-6</sup> °C <sup>-1</sup>
 Resistenza al gelo Frost resistance Résistance au gel Frostbeständigkeit	ISO 10545 12	Non devono presentarsi rotture ed alterazioni apprezzabili della superficie Must not produce noticeable alteration to surface Ne doivent pas présenter de ruptures ou altérations trop importantes de la surface Oberflächen dürfen keinen Bruch oder Schäden aufweisen	Conforme Conforms Conforme Konform
 Resistenza ai prodotti chimici Chemical resistance Résistance aux produits chimiques Chemikalienfestigkeit	ISO 10545 13	Resistenza prodotti chimici uso domestico e additivi per piscina (min. classe B) - Resistenza acidi a bassa concentrazione - Resistenza acidi ad alta concentrazione Resistance household chemicals and pool additives (min. class B) - Resistance to acids at low concentration - Resistance to highly concentrated acid products Résistance aux produits chimiques, usage domestique et additifs pour piscine (classe B minimum) - Résistance aux acides à concentration faible - Résistance aux acides à concentration élevée Haushaltschemikalien und Pooladditive Beständigkeit (min. Klasse B) - Säurebeständigkeit in niedriger Konzentration - Hochkonzentrierte Säurebeständigkeit	Disponibili a richiesta le classificazioni di ogni singolo articolo Classifications for single items available on request Les classifications de chaque article sont disponibles sur demande Klassifizierungen für jeden einzelnen Artikel sind auf Anfrage erhältlich
 Resistenza alla macchia Stain resistance Résistance aux taches Chemikalienfestigkeit	ISO 10545 14	Metodo disponibile Test method available Méthode disponible Verfügbares Verfahren	Disponibili a richiesta le classificazioni di ogni singolo articolo Classifications for single items available on request Les classifications de chaque article sont disponibles sur demande Klassifizierungen für jeden einzelnen Artikel sind auf Anfrage erhältlich
 Resistenza dei colori alla luce Color resistance to light Résistance de la couleur à la lumière Lichtbeständigkeit	DIN 51094	Metodo disponibile Test method available Méthode disponible Verfügbares Verfahren	Superficie inalterata Unaffected surface Surface Inaltérée Oberfläche Unverändert
 Coefficiente di attrito (scivolo statico) Friction coefficient (slip/resistance) Coefficient de friction (glissement) Reibungskoeffizient (Schlupf/Reibigkeit)	BCR DM 234/89 DIN 51130	Metodo disponibile Test method available Méthode disponible Verfügbares Verfahren	Disponibili a richiesta le classificazioni di ogni singolo articolo Classifications for single items available on request Les classifications de chaque article sont disponibles sur demande Klassifizierungen für jeden einzelnen Artikel sind auf Anfrage erhältlich

### LASTREA TUTTA MASSA IN GRÉS PORCELLANATO TECNICO - FULL-BODY SLABS IN TECHNICAL PORCELAIN STONEWARE

Classificazione Gruppo Bia secondo le norme EN 14411 All. G e ISO 13006 All. G - Classification Bia Group in accordance with EN 14411 annex G and ISO 13006 annex G

\* I prodotti con assorbimento < 0,5 sono classificati secondo le norme UNI CEN "Fully vitrified tiles" e secondo le norme ASTM "Impervious tiles" - The products having an absorption < 0,5 are classified according to the UNI CEN standards "Fully vitrified tiles" and according to the ASTM standards "Impervious tiles"

\*\* Varia secondo la finitura di superficie - It can vary according to the surface finish

N.B.: I valori di resistenza allo scivolamento, coefficiente di attrito statico o dinamico, riportati sul catalogo, sono da ritenersi puramente indicativi e non vincolanti. Ogni eventuale specifica necessità dovrà essere da noi confermata al momento dell'ordine e comunicata sempre prima della posa. La trasformazione di materie prime naturali, associate all'utilizzo di innovative tecnologie di produzione, consente di ottenere materiali dalle elevate prestazioni tecniche che si distinguono per i tipici effetti da sempre prerogative dei materiali naturali. Le variazioni cromatiche, di venatura e le piccole puntellature sono perfette caratteristiche di alto pregio dei materiali FMG.

NB: Slip resistance values, coefficient of static or dynamic friction, in the catalog and in the Sale System table are purely indicative and not binding. Any specific requirements must be confirmed by us at the time of ordering and in any case before installation. The processing of natural raw materials, combined with the use of leading edge patented production techniques, makes it possible to obtain hightech materials characterized by typical full body effects, a feature that has always been the exclusive hallmark of quarried marble and stone. Chromatic variations, veining and speckling are thus prime characteristics of FMG materials.

ANM: Die Werte für die Rutschfestigkeit, also des statischen oder dynamischen Reibungskoeffizienten, die im Katalog aufgeführt sind, sind als unverbindliche Richtwerte anzusehen. Alle spezifischen Anforderungen müssen von uns bei der Bestellung und in jedem Fall vor der Umsetzung unserer Zusätze werden. Die Umwandlung von natürlichen Rohmaterialien mit Hilfe von innovativen und modernsten Produktionsverfahren ermöglicht die Herstellung von Materialien mit hoher technischer / Leistungsleistung, die sich durch die Aussehen

### CLASSIFICAZIONE DI RESISTENZA ALLA SCIVOLosità SLIP RESISTANCE CLASSIFICATION RÉSISTANCE AU GLISSEMENT Klassifizierung der Rutschfestigkeit

Classificazione resistenza allo scivolamento DIN01130  
Slip resistance classification DIN51130  
Résistance au glissement DIN51130  
Klassifizierung der Rutschfestigkeit DIN51130

COLLEZIONE COLLECTION COLLEKTION	FINITURA FINISH OBERFLÄCHEN AUSFÜHRUNGS FINITION	R10 A/B	R10
PALLADIO	NATURALE		
VENICE VILLA VENICE / RIALTO	STRUTTURATA		R11
	SABBIATA		R11
	NATURALE		R10
BLAST	STRUTTURATA		R10
	ANTISLIP 20MM		R11
	NATURALE		R10
MOONSTONE	STRUTTURATA		R11
	ANTISLIP 20MM		R11
	NATURALE		R10
QUARZITE	STRUTTURATA		R11
	ANTISLIP 20MM		R11
	NATURALE		R9
PIETRE TRAX	RIGATA		R10
	STRUTTURATA		R11
PIETRE DEL BRENTA	NATURALE		R9
	SASSO		R9

R9 6° - 10°      R11 19° - 27°  
R10 10° - 19°      R12 27° - 35°

n.b.: I valori di resistenza allo scivolamento, coefficiente di attrito statico o dinamico, riportati sul catalogo e nella tabella Sale System sono da ritenersi puramente indicativi e non vincolanti. Ogni eventuale specifica necessità dovrà essere da noi confermata al momento dell'ordine e comunicata sempre prima della posa. n.b.: Slip resistance values, coefficient of static or dynamic friction, in the catalog and in the Sale System table are purely indicative and not binding. Any specific requirements must be confirmed by us at the time of ordering and in any case before installation. n.b.: Les valeurs de résistance au glissement, le coefficient de traitement statique ou dynamique, indiqués sur le catalogue et sur le tableau Sale System (Système de Sécurité) doivent être considérés comme purement indicatifs et ne sauraient engager notre responsabilité. Toutes les éventuelles spécifications nécessaires doivent faire l'objet d'une confirmation de notre part au moment de la commande et en tout état de cause avant la pose. Anm.: Die Werte für die Rutschfestigkeit, also des statischen oder

## SLIP RESISTANCE TEST REPORT

Client: Tile Warehouse  
Client's Reference: Blair

Tested By: Dave Cockerton  
Date: 20.04.23

### DESCRIPTION OF SAMPLE

Manufacturer: Venice  
Common Name: Villa Matt  
Specimen Size: 600x600  
No. of Specimens Tested: 5

Material Type: Porcelain  
Surface Type: Matt  
Colour: White  
Surface Coating: Nil

### METHOD

Tests were carried out in accordance with AS/NZS 4586:2014 (Incorporating Amendment No 1) Slip Resistance of Pedestrian Surfaces, Part 1- Requirements, Appendix A "Method for the Measurement of the Coefficient of friction of Wet Surfaces".

Type of Test: **Wet**

Location of Test: 36 Bollard Road, Tuakau

Air Temperature: °C18

### RESULTS

Specimen No.	Dilution Ratio	Dwell Time	Mean Coefficient of Friction
one			0. 56
two			0. 55
three			0. 56
four			0. 56
five			0. 56

**SAMPLE MEAN COEFFICIENT OF FRICTION:**

**0. 56**

### REQUIREMENTS

**Horizontal Surfaces:** When tested in accordance with the method set out in Appendix A, the pedestrian surface shall have a mean coefficient of friction of not less than **0.40** and no specimen in that sample shall be less than **0.35**.

**DISCLAIMER:**

Safety Step NZ Ltd accepts no civil liability for any actions what so ever that may arise or result from the test results herein and the publication and issue of this test report. This report is intended for viewing purposes solely for the named recipient identified above. This slip test report remains the property of Safety Step NZ Ltd in its entirety . This report contains privileged and confidential information. The unauthorized reproduction of all or part of this report is prohibited. All test methods have been carried out in accordance with the provisions of Standards NZ and the NZ Building codes 3661/1.

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# 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/>