tile WAREHOUSE

# Class 1

Building Product Information Requirements Self-Assessment

# PORTLAND SELECT FLINT IN/OUT MATT 600x600

Product Code: PORSEFLM60



Portland Select brings the timeless look of authentic Portlandstone to a durable porcelain tile, complete with natural inclusions and soft limestone detail inspired by the Isle of Portland on England's Dorset coast. Available in 7 colours in 600x600 - Bi...

## Product Specifications:

| | |
|---|---|
| Code: | PORSEFLM60 |
| Size: | 600x600 |
| Suitability: | Floor,Wall |
| Weight per m2: | 18.07kg |
| Slip Rating: | R11 |
| M2 per box: | 1.44 |
| Class: | PEI Class 4 |
| Frost Resistant: | YES |

| | |
|---|---|
| Country of Origin: | China |
| Thickness (mm): | 8.00 |
| Finish: | Matt |
| Rectified: | Yes |
| Coefficient of friction: | 0.54 |
| Tiles per box: | 4 |
| Patterns / faces: | 20 |

## Product Scope and Intended Use:

| | | | |
|---|---|---|---|
| ✓ Residential - Wall | ✓ Residential - Floor | ✓ Commercial - Wall | ✓ Commercial - Floor |
| ✓ High Traffic | ✓ Low Traffic | ✓ Interior | ✓ Exterior Floor |
| ✓ Under Floor Heating | ✓ Food Prep Areas | ✓ Wet Areas (Public Access) | ✓ Accessible Bathroom |
| ✓ Ramp/Entry | ✓ Swimming Pool Submerged | ✓ 1.5m of Plumbing Fixture | ✓ Exterior Cladding |

# Building Code Obligations:

| Scope | Notes | Acceptable Use |
|---|---|---|
| B2: Durability<br>B2.3.1 | When used in accordance to our product scope and intended use guide | ✓ YES |
| C3: Fire affecting areas beyond the source | 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.<br>https://www.tilewarehouse.co.nz/brochure/tiles-fire-performance-brochure | ✓ YES |
| D1: Access Routes<br>D1.3.3 | As per D1/AS1 | ✓ YES |
| E3: Internal Moisture<br>E3.3.2<br>E3.3.3<br>E3.3.4 | 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. | ✓ YES |
| G3: Food Preparation<br>G3.3.2 | As an Impervious and easy to clean Surface this range complies | ✓ YES |
| G6: Airborne and Impact sound<br>G6.3.1 | When used in accordance to our product scope and intended use guide | ✓ YES |

# Supporting Documents:

All supporting documents can be found on the products page at https://gettil.es/PORSEFLM60 or using the below QR code.

# 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.

## 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.

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