

CLASS 1

Building Product Information Sheet

Product name:

Ceramic Tile Underlay

Product line *(the product line from which the product is customised)*:

Fibre Cement Panels

Product description and its intended use *(measurements, materials, usage)*:

BGC Ceramic Tile Floor Underlay is a specially-formulated fibre cement sheet. It's designed as a stable substrate for slate and ceramic floor tiles, so you can install ceramic tile floor underlay over new or existing timber floorboards, plywood or particleboard flooring.

In dry areas, apply directly to BGC Ceramic Tile Floor Underlay for an impervious, easily-cleaned surface. In wet areas and anywhere subject to accidental flooding or watersplash, install a waterproof membrane between the underlay and your tiling.

Sizes:

Product identifier *(if applicable)*:

CTU12

Place of manufacture: Aotearoa New Zealand Overseas

Legal and trading name of the manufacturer(s):

TPI Polene Public Company Ltd, 77, 88/1-4, 99 Moo 7, T.Bankaeng, A.Chalermprakiat, Saraburi, 18000, Thailand

Legal and trading name of the importer *(if applicable)*:

BGC Fibre Cement

Address for service:

STREET NAME 27 Accent Drive

SUBURB East Tamaki

CITY, COUNTRY Auckland

POSTCODE

Website:

bgcinnovadesign.co.nz

Email address:

mld@bgc.com.au

Phone No. *(if applicable)*:

09 273 1457

NZBN *(if applicable)*:

9429050631605



Relevant Building Code clauses:

B1 STRUCTURE

B2 DURABILITY

E3 INTERNAL MOISTURE

F2 HAZARDOUS BUILDING MATERIALS

Statement on how the building product is expected to contribute to compliance:

Clause B1 STRUCTURE: Performance B1.3.1, B1.3.2, and B1.3.4. The BGC Ceramic Tile Underlay meets the requirements for loads arising from self-weight, earthquake, wind and impact [i.e. B1.3.3 (a), (f), (h) and (j)].

Clause B2 DURABILITY: Performance B2.3.1 (b), 15 years and B2.3.2. The BGC Ceramic Tile Underlay meets these requirements.

Clause E3 INTERNAL MOISTURE: Performance E3.2, 3.3.1, E3.3.2, E3.3.3. The BDC Ceramic Tile Underlay when used in conjunction with an appropriate flooring system meets these requirements.

Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1. BGC Ceramic Tile Underlay meets this requirement and will not present a health hazard to people

- *options for compliance set out in section 19 of the Act (regulations, acceptable solution, verification method)*
- *standard or technical document that describes the performance of the building product or the relevant specifications to which the building product was manufactured*
- *physical properties of the building product*
- *how the building product is intended to be used.*

Limitations on the use of the building product:

Details or applications that are outside of the Install manual guidelines

Design requirements that would support the use of the building product:

The designer should determine the intended use of the floor in relation to AS/NZS 1170.1 Table 3.1.

The floor should be substantially flat before installing the underlay. Any floorboards that are warped, cupped or misaligned, the entire floor should be course sanded. It is recommended that a competent tradesperson carries out the sanding.

For a good result it is essential that the floor structure is sound and not springy.

To prevent joint movement or cracking, floors should not deflect more than span/360 under their maximum design loading.

For flooring laid over joists at 450mm centres this is equivalent to a deflection of 1.25mm between the joists ($450/360=1.25$)

Any repairs required on existing floors must be completed prior to fixing the Ceramic Tile and Underlay

As the ceramic tile system will effectively seal the top surface of the floor, it is essential that the underside of the floor is dry and well ventilated. Excessive dampness can lead to problems with the floor structure.

Any significant variation in the moisture content of the floorboards or the supporting structure may cause excessive movement and result in an an unsatisfactory performance from the flooring system.

Installation requirements:

Installation of BGC Ceramic Tile Underlay supplied by BGC Fibre Cement and the building contractor must always be carried out in accordance with the BGC SCeramic Tile Underlay Technical Literature by, or under the supervision of a Licensed Building Practitioner (LBP) with the relevant Licence Class.

Maintenance requirements:

Ceramic Tile Underlay, when used in accordance with this literature, requires no direct maintenance. However, regular checks (at least annually) must be made of the tiling system to ensure it remains watertight. Any cracked or damaged tiles, tile grout, or sealants must be repaired immediately, grouted and sealed as for new work. Any grout or sealant that is missing, cracked or likely to allow leakage, must be raked out and restored to original condition

Is the building product/building product line subject to warning or ban under section 26?:

Yes No

If yes, description of the warning or ban under section 26:

Date:

01/12/23