

CLASS 1

## Building Product Information Sheet

Product name:

Duragroove

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

Fibre Cement Panels

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

For up to the minute exteriors or interiors, choose Innova Duragroove™ cladding. A peerlessly adaptable, vertically-grooved panel available in different profiles and spacing, Duragroove™ has a shiplap join to ease and speed up your installation.

Specify Duragroove™ for single-storey and medium-height projects. Duragroove™ comes in four variants: smooth wide (150mm); smooth extra wide (400mm); smooth narrow (100mm); and woodgrain wide (150mm).

Sizes:

Smooth Narrow 9mm thick - 2450x1200. 2750x1200. 3000x1200

Product identifier (if applicable):

DGVN924512, DGVN927512, DGVN93012, DGWV924512, DGWV927512, DGWV93012, DGVEW924512, DGVEW925712, DGVEW93012, DGVEW924512, DGVEW927512, DGVEW93012

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:

Clause B1 STRUCTURE: Performance B1.3.1, B1.3.2, and B1.3.4.

Clause B2 DURABILITY: Performance B2.3.1

Clause E2 EXTERNAL MOISTURE: Performance E2.3.2.

Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1.

## 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. BGC Duragroove™ and Durascape™ Facade Systems meet 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, B2.3.1 (c) 5 years and B2.3.2. BGC Duragroove™ and Durascape™ Facade Systems meet this requirement.

Clause E2 EXTERNAL MOISTURE: Performance E2.3.2. The BGC Duragroove™ and Durascape™ Facade Systems meet this requirement.

Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1. The BGC Duragroove™ and Durascape™ Facade Systems 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 either the Install manual and BRANZ Appraisal guidelines

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

The designer should determine the wind pressures for the project and design accordingly. Duragroove™ and Durascape™ can be situated in specific design wind pressures up to a maximum design differential ultimate limit state (ULS) of 2.5kPa.

The timber structure should be designed to NZS3604. Alternatively the building can be to a specific design using NZS3603 and AS/NZS1170, and the framing must be of at least equivalent stiffness to the framing provisions of NZS3604.

In areas where there is a probability of high wind loading, care should be taken in the design detailing, especially around all opening, corners and other junctions to ensure the weather resistance of the total system.

Before Duragroove™ and Durascape™ is installed, particular care should be taken to ensure that all flashings and water proofing work is complete, including all wall underlay or BGC Durabarrier. If Duragroove™ and Durascape™ is installed onto an unlined wall ie gable end or garage walls then a rigid sheathing/air barrier must be installed – ie BGC Durabarrier.

For Construction within the scope of E2/AS1, it is a requirement to have a horizontal flashing joint at the floor joist level between storeys and for construction greater than two storeys or 7 metres, an inter-storey flashing bridging the drained cavity must be installed.

## Installation requirements:

Installation of BGC Duragroove™ and Durascape™ Facade Systems and accessories supplied by BGC Fibre Cement and the building contractor must always be carried out in accordance with the BGC Duragroove™ and Durascape™ Facade Systems Technical Literature and the BRANZ Appraisal by, or under the supervision of a Licensed Building Practitioner (LBP) with the relevant Licence Class.

**Maintenance requirements:**

11.1 Regular maintenance is essential to ensure the performance requirements of the NZBC are continually met and to ensure the maximum serviceability of the system.

11.2 Regular cleaning (at least annually) of the paint coating is recommended to remove grime, dirt and organic growth, to maximise the life and appearance of the coating. Grime may be removed by brushing with a soft brush, warm water and detergent.

11.3 Paint systems must be recoated at approximately 5-10 year intervals in accordance with the paint manufacturer's instructions.

11.4 Annual inspections must be made to ensure that all aspects of the cladding system, including the paint coating system, flashings and any sealed joints remain in a weatherproof condition. The planks must be checked to ensure the fixings are sound. Any damaged areas or areas showing signs of deterioration which would allow water ingress must be repaired immediately. Sealant and paint coatings must be repaired in accordance with the relevant manufacturer's instructions.

11.5 Minimum ground clearances as set out in the Appraisal and the Technical Literature must be maintained at all times during the life of the cladding. (Note: Failure to adhere to the minimum ground clearances given in the Appraisal and the Technical Literature will adversely affect the long term durability of the BGC Duragroove™ and Durascape™ Facade Systems. )

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