

Building Product Information Sheet

Biform Solid Composite Decking: Class 1

Product Name:

Biform Solid Composite Decking

Product Line:

Biform Wood Plastic Composite

Product Description and its Intended Use:

Biform Solid Composite Decking is a wood plastic composite (WPC) decking for timber or aluminum framed decks, pontoons and walkways. The decking is available in three options - FORM 130, FORM 140 and FOREST Board

FORM 130 - 130mm x19mm x4850mm has a concealed fixing channel

FORM 140 - 140mm x25mm x4850mm has a concealed fixing channel

FOREST Board - 138mm x20mm x4850mm is designed to be surface fixed.

Place of Manufacture:

China

Legal and Trading Name of the Importer:

Biform Ltd.

NZBN:

9429041627372

Address for Service:

Unit 2, 116a Harris Road, East Tamaki
Auckland 2013, New Zealand.

Website:

www.biform.co.nz

Email Address:

info@biform.co.nz

Phone Number:

0800449274

Relevant Building Code Clauses

- B1 STRUCTURE - Performance clauses B1.3.1, B1.3.2, B1.3.3,(a), (b), and (j) B1.3.4
- Clause B2 DURABILITY - Performance B2.3.1(b).
- Clause CV/M2 - FIRE SAFETY
- Clause D1 ACCESS
- Clause F2 HAZARDOUS BUILDING MATERIALS Performance F2.3.1

Statement on How the Building Product is Expected to Contribute to Compliance:

Clause B2 DURABILITY - Performance B2.3.1(b).- Accelerated weathering testing has been completed by BRANZ following test method ASTM G155. Biform Solid Composite Decking is expected to have a serviceable life in excess of 15 years, has been marketed in New Zealand since 2006 and has a 25 year limited warranty - available on our website.

Clause CV/M2 - FIRE SAFETY- Biform FORM 130 and FORM 140 achieves a critical radiant flux of 5.7 kW/m². The FOREST BOARD achieves a critical radiant flux of 5.4 kW/m² when tested in accordance with ISO 9239 Part 1. This exceeds the minimum critical radiant flux requirements specified in the NZBC. Refer to NZBC Acceptable solutions C/AS1 - C/AS2 for further information.

Clause D1 ACCESS- Biform Solid Composite Decking without applied coatings has been tested by CSIRO ,to the Oil-Wet Ramp test method contained in AS4586, which is an alternative solution. The decking achieved a slip resistance classification of R11 for both the grooved and smooth faces. HB 197 provides guidance on the use of slip resistant materials in various scenarios.

Clause F2 HAZARDOUS BUILDING MATERIALS Performance F2.3.1- Biform Solid Composite Decking meets this requirement and will not present a health hazard to people.

Biform Solid Composite Decking Safety Data Sheet, Slip Resistance test results, BRANZ Appraisal, Product Technical Statement and Fire Test results are all available on the Biform website.

Limitations on the Use of the Building Product

Biform Solid Composite Decking is to be installed by following the relative Installation Instructions which can be found on the website.

Stop Clips must be used ,one only, on each board over 3500mm in length to prevent creeping of the FORM 130 and FORM 140 profiles.

Design Requirements that would Support the Appropriate Use of the Building Product:

Biform Composite decking is intended for use over timber or aluminum subframes, and is not designed to be fixed to subfloors or concrete.

Biform FORM 130 and FORM 140 concealed fixing profiles, a "picture frame" design is recommended to encase the boards. Instead of staggering the decking joints through the deck, a breaker board should be installed at right angles. On very large decks, multiple breaker boards can be installed as required. Where butt joints in the body of the deck are unavoidable stop clips must be used. Advice in the form of a recommended layout design is available free of charge for every deck, from Biform.

Biform FOREST BOARD-is installed conventionally with face fixings (2 screws per joist) The Boards are end butt -jointed on joists. A 5mm gap between adjacent boards is recommended for drainage.

In very high wind zone applications only, wind break is advised to be installed between the joists and the decking to prevent the extremely unlikely occurrence of whistling after installation

Installation Requirements:

Joist Spacings required : Biform FORM 130 and Biform FORESTBOARD are required at a maximum of 400mm. Biform FORM 140 are required at a maximum of 450mm

Full Installation Instructions for each profile are available on the Biform website: www.biform.co.nz

Maintenance Requirements:

General Cleaning: General cleaning with a broom or mop will suffice for most situations, however if you want to give a better clean, please use Biform Deck Cleaner and scrubbing brush, at least annually.

Protecting: We suggest a mat under your BBQ to protect from grease stains, and felt protectors under plastic or metal furniture to prevent scratching, gouging and potential rust stains.

Mould treatment: This can be treated with 30 Seconds Outdoor Cleaner – new generation (blue label) following the manufacturer's instructions. For lighter colours situated in damp areas we suggest 6 monthly or annual spraying with 30 seconds Spray and Walk Away (green label) following the manufacturer's instructions This will help prevent surface mould from forming.

Stains: Treat immediately with absorbent cloths, then apply a degreaser as per the manufacturer's instructions. Follow up the degreaser with a general clean using BiForm Deck Cleaner or hot soapy water.

Scratches: Scratches can be removed with a light sand using 120 grit sandpaper, following the length of the plank. The colour and texture changes which occur after this will recede with weathering.

Testing: Test any treatment, cleaning products or sanding on a spare or obscured piece of decking to check for changes first.

Is the Building Products/ Building Product Line Subject to a Warning or Ban under Section 26 of the Building Act 2004:

No

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

N/A

Date:

24 / 05 / 2024

Version:

1



For further technical information
please contact us at:

- www.biform.co.nz
- 0800 449 274
- info@biform.co.nz