

## IBS FIBRE® FLEX

### PURPOSE

The IBS FIBRE® Flex 4.5 mm, 6 mm thick and 9 mm sheets are used as a lining for protected external areas such as soffit and ceiling linings. The IBS FIBRE® Flex 9 mm thick sheets is used as an external wall cladding, subfloor enclosure panels and general lining for both internal and external applications.

### EXPLANATION

IBS FIBRE® Flex is a fibre cement sheet with a smooth, sealed surface in 4.5 mm, 6 mm and 9 mm thicknesses. It is composed of cellulose pulp fibre, finely ground sand, Portland cement and water. During manufacturing, the sheets undergo high-pressure autoclave curing to ensure durability and dimensional stability. IBS FIBRE® Flex is classified as Type B and is manufactured in accordance with AS/NZS 2908.2.

The available sheet sizes are (mm):

- 4.5 mm thickness: 2400 x 300, 2400 x 450, 2400 x 600, 2400 x 900 (arrised edge), 2400 x 1200 (standard finish and pre-primed), 2700 x 900 (arrised edge), 2700 x 1200, 3000 x 900 (arrised edge)
- 6 mm thickness: 2400 x 1200
- 9 mm thickness: 2400 x 1200.

### SCOPE AND LIMITATIONS OF USE

| Scope                                                                                                                                                                                                                                      | Limitations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Location</b>                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| In wind zones up to and including Extra High as defined in NZS 3604:2011 or for design wind pressure (ULS) of 2.1 kPa                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| In all exposure zones as defined in NZS 3604:2011.                                                                                                                                                                                         | <ul style="list-style-type: none"> <li>➤ Where microclimatic conditions apply (refer to paragraph 4.2.4 of NZS 3604:2011), contact IBS for guidance.</li> <li>➤ Fixings must comply with Table C.1.1.1A and Table C.1.1.1B of E2/AS1 and be appropriate for exposure zones defined in NZS3604:2011.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Building</b>                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| In conjunction with a primary structure that complies with the NZ Building Code or existing buildings where the designer and/or installer have satisfied themselves that the existing building is suitable for the intended building work. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| On timber or lightweight steel-framed buildings.                                                                                                                                                                                           | <ul style="list-style-type: none"> <li>➤ Framing spacings must be set out to accommodate sheet joints and must be at maximum 600 mm centres.</li> <li>➤ If using a proprietary suspended framing system, ensure it can support the applied loads of the IBS FIBRE® Flex and meet seismic requirements. Consult the supplier for load recommendations.</li> <li>➤ IBS FIBRE® Flex must not be installed on timber framing or a substrate when the moisture content is greater than 18 %.</li> </ul>                                                                                                                                                                                                                                                                                                                                       |
| As a lining in protected areas, such as soffit or eave linings.                                                                                                                                                                            | <ul style="list-style-type: none"> <li>➤ IBS FIBRE® Flex sheets must be installed in protected areas away from direct sunlight, snow, or rain and construction details must align with E2/AS1.</li> <li>➤ Sheets must be finished with a protective paint coating.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| As an external cladding panel.                                                                                                                                                                                                             | <ul style="list-style-type: none"> <li>➤ 9 mm-thick IBS FIBRE® Flex must be used.</li> <li>➤ The building must be within the scope of E2/AS1 and sheets must be installed in accordance with E2/AS1.</li> <li>➤ The elevation risk score must be 20 or less, as calculated in accordance with Table 3.1.3.1 of E2/AS1.</li> <li>➤ Sheets must be installed over a nominal 20 mm drained cavity, except when the risk score is 6 or less in accordance with Table 3.1.3.1 of E2/AS1 (in which case, direct fixing to the frame is allowed).</li> <li>➤ A three-coat waterproof paint system must be applied.</li> <li>➤ All edges must be sealed prior to installation and the back face of the sheet must be painted 100 mm from the edge prior to installation. It is recommended that the back face of the board is sealed.</li> </ul> |
| As an enclosure panel for subfloor areas.                                                                                                                                                                                                  | <ul style="list-style-type: none"> <li>➤ A three-coat waterproof paint system must be applied.</li> <li>➤ All edges must be sealed prior to installation and the back face of the sheet must be painted 100 mm from the edge prior to installation. It is recommended that the back face of the board is sealed.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| As an internal lining for ceilings or walls.                                                                                                                                                                                               | <ul style="list-style-type: none"> <li>➤ In areas prone to water splash, sheets must be coated with a protective paint coating.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |



For further assistance please contact:

- ☎ 0800 367 759
- ✉ info@ibs.co.nz
- 🌐 [ibs.co.nz](https://www.ibs.co.nz)

### USEFUL INFORMATION

For design, installation and maintenance information, refer to [ibs.co.nz](https://www.ibs.co.nz).

## CONDITIONS OF USE

➤ IBS FIBRE® Flex must be installed in accordance with all IBS installation requirements in the IBS FIBRE® Flex Design and Installation Guide [09/2025].

## PERFORMANCE CLAIMS

If designed, installed and maintained in accordance with all IBS requirements, IBS FIBRE® Flex will comply with or contribute to compliance with the following performance claims:

| NZ Building Code clauses                                                    | BASIS OF COMPLIANCE                                                                          |                                                                                                                                                           |
|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                             | Compliance statement                                                                         | Demonstrated by                                                                                                                                           |
| <b>B1 Structure</b><br>B1.3.1, B1.3.2, B1.3.3 (a), B1.3.4 (a, b, c, d,)     | ALTERNATIVE SOLUTION                                                                         | ➤ Manufactured and tested in accordance with AS/NZS 2908.2:2000 [SGS, 27/08/2021].                                                                        |
| <b>B2 Durability</b><br>B2.3.1 (b), B2.3.2                                  | VERIFICATION METHOD<br>B2/VM1                                                                | ➤ Manufactured and tested in accordance with AS/NZS 2908.2:2000 referenced in the Building Product Specification, referenced in E2/AS1 [SGS, 27/08/2021]. |
| <b>C3 Fire affecting areas beyond the fire source</b><br>C3.4 (a), C3.7 (a) | ACCEPTABLE SOLUTION<br>C/AS2                                                                 | ➤ Classified as non-combustible; Class A in accordance with EN 13501-1:2018 [China Ceprei (Sichuan) Laboratory, 25/09/2017].                              |
| <b>E2 External moisture</b><br>E2.3.1, E2.3.2, E2.3.5                       | ACCEPTABLE SOLUTION<br>E2/AS1, BUILDING PRODUCT SPECIFICATION<br>and<br>ALTERNATIVE SOLUTION | ➤ Manufactured in accordance with AS/NZS 2908.2:2000, referenced in the Building Product Specification, referenced in E2/AS1 [SGS, 27/08/2021].           |
| <b>F2 Hazardous building materials</b><br>F2.3.1                            | ALTERNATIVE SOLUTION                                                                         | ➤ Tested to AS 4964-2004 for asbestos [SGS, 26/03/22].<br>➤ Use in accordance with supplier's safety instructions.                                        |

## SOURCES OF INFORMATION

- SGS. [27/08/2021] Test Report. No: XMIN2106006288CM.
- SGS. [26/03/2022] Test Report. No: CANMLC2204345701.
- China Ceprei (Sichuan) Laboratory. [25/09/2017]. Test Report No: SECNMTCF-CPR.
- IBS. [09/2025] IBS FIBRE® Flex Design and Installation Guide.

1. Where a standard is referenced it is to be read as amended by the acceptable solution or verification method as applicable. 2. Sources of information also include the Building Act 2004 and its regulations, including the Building Code (Schedule 1 of the Building Regulations 1992), Acceptable Solutions and Verification Methods, and relevant cited standards. 3. The product is not subject to a warning or ban under section 26 of the Building Act. 4. For overseas manufacturer details, where applicable, refer to the company that is the holder of this pass™. 5. The quality and assurance that the supplied products meet the performance claims stated in this pass™ are the responsibility of the company that is the holder of this pass™. 6. The availability of the information about the supplied products required to be disclosed under s14G(3) is the responsibility of the company that is the holder of this pass™.

SCAN OR CLICK THIS QR CODE TO ACCESS OR REQUEST THE RELEVANT SUPPORTING DOCUMENTATION FOR THIS PASS™.

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Independent Building Supplies Ltd (IBS) confirms that if IBS FIBRE® Flex is used in accordance with the requirements of this pass™ the product will comply with the NZ Building Code and other performance claims set out in this pass™ and the company has met all of its obligations under s14G(2) of the Building Act.

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*Kevin Brunton*

Kevin Brunton, Technical Director, TBB confirms that the process used to prepare this pass™ on behalf of Independent Building Supplies Ltd has been undertaken in accordance with MBIE PTS guidelines and in accordance with the TBB pass™ process which is within the scope of TBB's ISO 9001 certification.

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IBS Building Products, 3 Zelanian Drive, East Tamaki, Auckland 2013 ➤ [info@ibs.co.nz](mailto:info@ibs.co.nz) ➤ 0800 367 759 ➤ [ibs.co.nz](https://ibs.co.nz)

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