

IBS PRIMAflex™ EXTERNAL WALL CLADDING SYSTEM

IBS PRIMAflex™ EXPLAINED

PRIMAflex External Wall Cladding System (the system) is a cavity-based external cladding system comprising a fibre cement monolithic sheet (PRIMAflex panel) installed over a cavity.

The panels are manufactured from cellulose pulp fibre, finely ground sand, Portland cement, and water.

Available Panel Sizes as follows:

- > Length (mm) 1800, 2400, 2700, and 3000
- > Width (mm) 900 and 1200
- > Thickness (mm) 6

PURPOSE

IBS supplies PRIMAflex fibre cement panel for use in the PRIMAflex External Wall Cladding system. Note: All other components of the system are supplied by others.

SCOPE OF USE

LOCATION

- > In wind zones up to and including extra high, as defined in NZS 3604:2011 or a maximum differential ultimate limit state (ULS) of 2.5kPa.
- > In all corrosion zones as defined in NZS 3604:2011.

BUILDING

- > On new buildings that comply with the New Zealand (NZ) Building Code or existing buildings where the designer and installer are satisfied that the existing building is suitable for the intended building work.
- > On timber or light gauge steel-framed buildings.
- > On buildings with a risk score of less than 20, calculated in accordance with E2/AS1, table 2.
- > On vertical, flat surfaces except for the tops of balustrades and parapets which must have a minimum 5° slope.
- > With aluminium window joinery that complies with AS 4211 or has a current CodeMark Certificate and that is installed with vertical jambs and horizontal heads and sills.

LIMITATIONS OF USE

BUILDING

- > Proprietary suspended framing systems must be able to support the applied loads of the PRIMAflex. Always consult with the supplier/manufacturer for the recommended load that can be applied and the seismic requirements.
- > Panels should be paint coated within three months of installation.

PRÎMAflex™



VERSION:

Note: Uncontrolled in printed format.

DATE:

NAME: Jason Bardell

POSITION: Managing Director

Signed on behalf of IBS Building Products Ltd:

By signing this pass™ the signatory confirms that, in respect of the subject of this pass™, the company has met their s14G obligations under the Building Act 2004.

FURTHER INFORMATION

For further assistance please contact:

- ☎ 0800 367 759
- ✉ info@ibs.co.nz
- 🌐 www.ibs.co.nz



PERFORMANCE CLAIMS

If designed, installed, and maintained in accordance with all IBS requirements, the PRIMAflex will comply with or contribute to compliance with the following performance claims.

NZ Building Code clauses	BASIS OF COMPLIANCE	
	Compliance statement ¹	Demonstrated by
B1 Structure B1.3.1, B1.3.2, B1.3.3 (a), (h) & (j)	ALTERNATIVE SOLUTION BRANZ Appraisal No. 635 [2008]. AS/NZS 2908.2:2000. ASTM C1186-08 [2016].	> BRANZ technical evaluation of the fibre cement board as part of the appraisal process. Refer para 13.1 & 14.1, paras 20-22 in Appraisal No. 635.
B2 Durability B2.3.1 (b)	ALTERNATIVE SOLUTION BRANZ Appraisal No. 635 [2008].	> BRANZ technical evaluation of the fibre cement board as part of the appraisal process. Refer para 13.1 & 14.1, paras 20-22 in Appraisal No. 635.
C3 Fire affecting areas beyond the fire source C3.7 (a)	ACCEPTABLE SOLUTION C/AS2 - C/AS6, Appendix C, AS/NZS 1530.1:1994. AS/NZS 1530.3:1999. BRANZ Appraisal No. 635 [2008].	> BRANZ technical evaluation of the fibre cement board as part of the appraisal process. Refer para 13.1 & 14.1, paras 20- 22 in Appraisal No. 635. > CSIRO. Oct 2007. AS 1530.1. Report No. FNC9016. > CSIRO. Oct 1996. AS/NZS 1530.3. Report No. FNE6761.
E2 External Moisture E2.3.2	VERIFICATION METHOD E2/VM1	> BRANZ technical evaluation of the fibre cement board as part of the appraisal process. Refer para 15.1 -15.5, paras 20-22 in Appraisal No. 635.
F2 Hazardous Building Materials F2.3.1	ALTERNATIVE SOLUTION BRANZ Appraisal No. 635 [2008].	> BRANZ technical evaluation of the fibre cement board as part of the appraisal process. Refer para 10.1 & 10.1, paras 20-22 in Appraisal No. 635.

1. The Compliance Statement is the pass holder's statement that they have met their obligations under s14G(2) of the Building Act 2004.

SOURCES OF INFORMATION

- > BRANZ Appraisal No. 635 [2008]. *Primaflex™ Cavity System*.
- > AS/NZS 2908.2:2000. *Cellulose-cement products-Flat sheets*.
- > ASTM C1186-08 (2016). *Standard Specification for Flat Fibre-Cement Sheets*.
- > CSIRO. 3 November 1999. Certificate of Test AS/NZS 1530.3:1999 *Simultaneous Determination of Ignitability, Flame Propagation, Heat Release & Smoke Release*.
- > CSIRO. 25 October 2007. *Certificate of Test AS/NZS 1530.1 Combustibility Test for Materials*.



USEFUL INFORMATION

For information on the design, installation and maintenance of PRIMAflex™ panels, refer to:

- > IBS PRIMAflex™ Design & Installation Guide
- > IBS PRIMAflex™ Care & Maintenance Guide.

For the warranty on PRIMAflex™ panels, refer to:

- > IBS PRIMAflex™ warranty.

OTHER CERTIFICATIONS HELD BY HUME CEMBOARDS INDUSTRIES:

- > ISO 9001:2008 Quality System (Ref-AR0430-IQNet Certification)
- > ISO 14001:2004 Environmental System (Ref- ER0642-IQNet Certification)
- > Environmental product Declaration (07/01/2014), No. EPD-HUM- 20130186-IAD1-EN