

## IBS RIGIDRAP®

### PURPOSE

IBS RigidRAP® is supplied by IBS for use as a wall bracing element, a structural rigid air barrier or an interior wall lining panel, where high impact is envisaged.

Where used as an exterior wall bracing element or rigid air barrier, IBS RigidRAP® functions as a temporary cladding.

### EXPLANATION

IBS RigidRAP® comprises an 8 mm, moisture-resistant (class 3), Oriented Strand Board (OSB) panel with a heavyweight, synthetic wall underlay adhered to the outer face.

Manufactured by Swiss Krono, the OSB is a structural wood panel made of three layers of softwood strands, orientated at right angles and bonded together with heat-cured adhesives.

The BRANZ appraised wall underlay, adhered to the OSB in New Zealand by IBS, is a water-resistant polypropylene film, laminated between two layers of spunbonded polypropylene.

IBS RigidRAP® is supplied in the following sizes:

- 2440 x 1196 x 8 mm
- 3050 x 1196 x 8 mm.
- 2745 x 1196 x 8 mm

### SCOPE AND LIMITATIONS OF USE

| Scope  | Limitations  |
|--|--|
| <b>Location</b><br><p>In wind zones up to and including extra high as defined in NZS 3604:2011 or to a wind design pressure (ULS) of 2.5 kPa.</p> <p>In all exposure zones, as defined in NZS 3604:2011.</p>   | <p>➤ Material selection in accordance with NZS 3604:2011, section 4.</p>   |
| <b>Building</b><br><p>With timber framing.</p> <p>In conjunction with a primary structure that complies with the NZ Building Code or where the designer has established that the existing structure is suitable for the intended building work.</p> <p>As a rigid air barrier.</p> | <p>➤ The stud spacing must be a maximum of 600 mm.</p> <p>➤ At mid floor junctions, a proprietary 'Z' flashing must be installed.</p> <p>➤ The cladding system must incorporate a ventilated cavity and wall cladding that complies with E2/AS1 or has a relevant CodeMark certificate.</p> <p>➤ Nailhead must not penetrate the board; it must be finished flush.</p> |
| <p>As a wall bracing element.</p>  | <p>➤ Where designed in accordance with NZS 3604:2011 (as modified by B1/AS1 amd. 18).</p> <p>➤ Nailhead must not penetrate the board; it must be finished flush.</p>   |



For further assistance please contact:

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



### USEFUL INFORMATION

For information on the design, installation and maintenance of IBS RigidRAP® and for our warranty refer to [www.ibs.co.nz](http://www.ibs.co.nz).

### OTHER CERTIFICATIONS AND APPROVALS HELD BY THE MANUFACTURER

Swiss Krono, as manufacturer of the OSB3 has the following certifications.

- Swiss Safety Center AG. [26/04/2018]. Certificate No. 06-11-053. ISO 9001:2015. *Quality management systems — Requirements.*
- Swiss Safety Center AG. [26/04/2018]. Certificate No. 98-111-503. ISO 14001:2015. *Environmental management systems — Requirements with guidance for use.*

## CONDITIONS OF USE

- IBS RigidRAP® must not be exposed to the weather for more than 90 days.
- Only flashing tapes listed in the IBS RigidRAP® Design and Installation guide may be used.

## PERFORMANCE CLAIMS

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

| NZ Building Code clauses               |  | BASIS OF COMPLIANCE               |                 |
|--|--|-----------------------------------|-----------------|
|  |  | Compliance statement <sup>1</sup> | Demonstrated by |
| <b>B1 Structure</b>                    |  | PRODUCT CERTIFICATION             |                 |
| B1.3.1, B1.3.2                         |  | CodeMark Certificate              |                 |
| B1.3.3 (a), (b), (f), (h), (m), (q)    |  | CM70035 18/07/2019                |                 |
| B1.3.4                                 |  |                                   |                 |
| <b>B2 Durability</b>                   |  |                                   |                 |
| B2.3.1 (a)                             |  |                                   |                 |
| <b>E2 External Moisture</b>            |  |                                   |                 |
| E2.3.2, E2.3.7                         |  |                                   |                 |
| <b>F2 Hazardous Building Materials</b> |  |                                   |                 |
| F2.3.1                                 |  |                                   |                 |



CodeMark Certificate issued by Bureau Veritas.  
Bureau Veritas is an accredited product certification body under section 263 of the Building Act 2004.

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

## BASIS FOR CERTIFICATION

### Technical

- IBS Building Products. [November 2019]. *Design and Installation Guide, version 1.1.*
- EN 13986: 2015. *Wood-based panels for use in construction. Characteristics, evaluation of conformity and marking.* In accordance with EN 300:2006. *Oriented Strand Board (OSB). Definitions, classifications and specifications.* Use classes and durability issues.

### Quality

- Bureau Veritas. *Audit of IBS manufacturing facilities.*
- Bureau Veritas. *Review and audit of IBS Quality plan and associated manufacturing.*

### Buildability

- Bureau Veritas. *NZ site audits.*



VERSION:

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Note: Uncontrolled in printed format.

DATE:

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Signed on behalf of IBS Building Products:

NAME:

.....

Jason Bardell

POSITION:

.....

Managing Director

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.



IBS Building Products, 1/7 Fraser Road, Panmure, Auckland ➤ [info@ibs.co.nz](mailto:info@ibs.co.nz) ➤ 0800 367 759 ➤ [www.ibs.co.nz](http://www.ibs.co.nz)

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