

## IBS RIGIDRAP®

APPLICATION - RIGID AIR BARRIER / TEMPORARY CLADDING / BRACING

### Product Description and Intended Use :

IBS RigidRAP® is an 8mm OSB3 (Oriented Strand Board) which has been manufactured specifically for New Zealand, for use as a bracing element and/or rigid air barrier. IBS RigidRAP® is the only dual layer rigid air barrier system available in New Zealand and comes laminated with a watertight wall underlay.

IBS RigidRAP® gives your house dual protection from the weather during your building process and replaces traditional building wrap. When compared to similar products it is more cost effective, easy to install and is lightweight.

As an OSB3 panel manufactured in accordance with EN13986:2004, it is suitable for use in humid conditions where the panel in-service moisture content does not exceed 20%.

Compliance with the NZ Building Code (NZBC) is established through product certification (CodeMark). IBS RigidRAP® meets all the requirements of Table 23 (clause E2 - external moisture) from the compliance document for the NZ Building Code.

IBS RigidRAP® product is lightweight, easy to cut nail or screw, and can be exposed to the weather for up to 90 days.

IBS RigidRAP® replaces the traditional building paper wrap to above all support a healthier, stronger home.

### Product Identifiers :

09421028769716 (RRAP082412), 09421028769723 (RRAP082712), 09421028769730 (RRAP083012)

<b>Place of Manufacturing :</b>	Auckland, New Zealand
<b>Legal and Trading name of the Manufacturer:</b>	Independent Building Supplies Ltd
<b>Address for Service :</b>	3 Zelianian Drive, East Tamaki, New Zealand
<b>Website :</b>	<a href="http://www.ibs.co.nz">www.ibs.co.nz</a>
<b>Email Address :</b>	<a href="mailto:info@ibs.co.nz">info@ibs.co.nz</a>
<b>Phone Number :</b>	0800 637 759
<b>NZBN :</b>	9429000097253

### Relevant Building Code Clauses :

Clause B1 Structure: B1.3.1; B1.3.2; B1.3.3(a, b, f, h); B1.3.4

Clause B2 Durability: B2.3.1(a)

Clause E2 External Moisture: E2.3.2 (contributes to), E2.3.5 (contributes to), E2.3.6 (contributes to), E2.3.7 (contributes to)

Clause F2 Hazardous Building Materials: F2.3.1

### Statement on how the building product is expected to contribute to compliance :

IBS RigidRAP®, specified in accordance with the current “IBS RigidRAP Installation Guide”, assists in meeting the following provisions of the NZBC:

Clause B1 Structure: Performance B1.3.1, B1.3.2, B1.3.3(a, b, f, h), B1.3.4 IBS RigidRAP is manufactured in accordance with EN13875:2004 and Codemark Certified by Bureau Veritas Australia and New Zealand. The Bracing capacities of IBS RigidRAP® have been determined in accordance with P21 testing methods, part of NZS 3604, an Acceptable Solution of the NZBC (Acceptable Solution B1/AS1, 4.1).

Clause B2 Durability: Performance B2.3.1(a) IBS RigidRAP® is compliant with NZBC Clause B2.3.1 (a), not less than 50 years when used where the cladding durability requirement or serviceable life is not less than 50 years, e.g. structural bracing.

Clause E2 External Moisture E2.3.2(contributes to), E2.3.5(contributes to), E2.3.6(contributes to), E2.3.7 (contributes to) IBS RigidRAP® meets the NZBC requirements for rigid underlays as outlined in Section 9.1.4, the performance requirements of Table 23 of E2/ AS1 and has been tested for wind speed up to and including Extra High wind zone as defined in NZS 3604.

Clause F2 Hazardous Building Materials: F2.3.1 IBS RigidRAP® meets this requirement and poses no health risk to individuals.

### **Limitations on the use of the building product :**

Allow a minimum of 4 mm between panels both vertically and horizontally to accommodate dimension movement.

Maximum spacings of wall studs must not exceed 600 mm centres.

Curved walls, minimum radius 2.5 m are allowable, the IBS RigidRAP® panels must be fixed horizontally onto framing studs with spacing and stud centres dependent on the radius.

For wall heights greater than 3050 mm, horizontal wall joints are permitted, provided the panel joint is over solid blocking of the same gauge as the studs.

All joints, other than mid floor level, (vertical and horizontal) must be sealed with an IBS approved self- adhesive “flashing tape” as specified in section 3.8 “IBS RigidRAP® Installation Guide”.

IBS recommend 150 mm flashing tape or a proprietary Z flashing for horizontal joints.

IBS RigidRAP® requires a Z flashing for horizontal joints on the Midfloor.

IBS RigidRAP® must not be installed on Steel Frames (IBS RigidRAP® XT should be used)

### **Design Requirement that would support the appropriate use of the building product :**

IBS RigidRAP meets the New Zealand Building Code (NZBC) requirements for rigid underlays as outlined in Section 9.1.4, the performance requirements of Table 23 of E2/ AS1, and has been tested for wind speed up to and including Extra High Wind Zone as defined in NZS 3604 Timber Framed Buildings (NZS 3604). The above has been detailed thought out and must be installed in accordance with IBS RigidRAP Installation Guide.

Bracing Capacities, determined in accordance with P21 testing methods, are published for use in conjunction with bracing demand determined in accordance with NZS 3604 (P21 tests form part of an Acceptable Solution of NZS 3604, (Acceptable Solution B1/AS1, 3.1))

### Installation Requirements :

We kindly request that you take a moment to click on the provided link, which will direct you to our comprehensive installation guide. This guide contains all the necessary instructions and information you'll need to ensure a smooth and successful installation process. We've put together this guide with care and attention to detail, so you can confidently follow each step and achieve the best results.

<https://ibs.co.nz/products/rigidrap/>

### Maintenance Requirements :

We kindly request that you take a moment to click on the provided link, which will direct you to our care and maintenance document.

<https://ibs.co.nz/products/rigidrap/>

### is the building product / building product line subject to warning or ban under section 26 of the Building Act 2004 ?

Yes

No

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

<b>Version</b>	001
<b>Date</b>	20 <sup>th</sup> November 2023