



**IBS OS'Brace® RAP**

**OSB EXPLAINED**

OSB (oriented strand board) is a moisture resistant, structural wood panel. Engineered in Germany from environmentally sustainable sourced softwood, it consists of three layers of wood strands bonded together with heat-cured adhesives. Each layer is orientated at right angles to the adjacent layer creating a strong, dimensionally stable panel that resists delamination and warping. The absence of natural imperfections such as knots provides certainty of performance.

**DESCRIPTION & USE**

IBS OS'Brace® RAP is supplied for use as:

- an internal and external primary wall bracing element
- a rigid air barrier
- an internal lining in areas prone to high impact

IBS OS'Brace® RAP is an OSB/3 panel manufactured by EGGER in accordance with EN13986:2004. As defined in EN300:2006, OSB/3 is suitable for use as a load-bearing panel in humid conditions. It is treated to meet hazard class H3.1.

**Panel size as follows:**

- 2440 mm x 1198 mm x 6 mm
- 2745 mm x 1198 mm x 6 mm
- 3050 mm x 1198 mm x 6 mm

**SCOPE OF USE AND LIMITATIONS**

IBS supply IBS OS'Brace® RAP for use within the following scope:

- In wind zones
  - up to and including extra high
  - up to 2.5 kPa ULS where the building is specifically engineered.
- New buildings: with timber wall framing complying with NZ Building Code .
- In conjunction with the GIB HandiBrac®, MiTek™ angle brackets, Simpson Strong-Tie methods or a strap bracing system.



**SIGN OFF & REVIEW DATE**

**SIGNED:**



**Jason Bardell**  
Managing Director

**DATE: 23/03/2017**

**VERSION: 1.7 (Dec 2017)**

For further product assistance please contact:

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- In conjunction with concrete and timber subfloors applications that comply with the NZ Building Code.
- With all cladding types that comply with the NZ Building Code.
- In conjunction with a drained and ventilated nominal 20mm cavity system.
- With aluminium joinery complying with the NZ Building Code.
- IBS OS'Brace® RAP has not been tested as a structural bracing element in conjunction with steel framing, for systems # 1-5 only.
- Existing timber framed buildings: where the designer and/or installer have assured themselves that the existing building is suitable for the intended building work.
- Existing concrete and timber subfloor structures: where the designer and/or installer have assured themselves that the existing building is suitable for the intended building work.

Where IBS OS'BRACE® RAP is used as a bracing element in existing buildings, IBS makes no claim as to the bracing value that will be achieved.

Where IBS OS'BRACE® RAP is used as a non-structural rigid air barrier, it may be:

- Installed over lightweight steel framing provided a thermal break is installed.
- Wall bracing fixings are not required.

Where IBS OS'BRACE® RAP is used as a non-structural internal lining:

- Wall bracing fixings are not required.
- It must be covered with a protective layer or coating. In areas prone to water splash, it must be protected with an impervious covering or waterproof membrane compatible with composite wood products. IBS OS'Brace® RAP must be designed, installed and maintained in accordance with IBS requirements.
- The maximum exposure to weather must not exceed three months.

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### COMPLIANCE WITH THE NZ BUILDING CODE

If designed, installed and maintained in accordance with IBS requirements, IBS OS'Brace® RAP will comply with or contribute to compliance with the following provisions of the NZ Building Code:

NZBC Clause	Evidence of compliance
<b>Structure</b> B1.3.1 B1.3.2 B1.3.3 (a), (b), (c), (e), (f), (h), (i) & (m) B1.3.4 (b)	Compliance established through CodeMark AQ-000115-CMNZ (Rev 5, Dec 2017)
<b>Durability</b> B2.3.1 (a)	
<b>Hazardous Building Materials</b> F2.3.1	
<b>External Moisture</b> E2.3.2, E2.3.5, E2.3.7 (a), (b), (c)	

### CERTIFICATION HELD BY EGGER

- DIN EN 13986:2004 issued by Fraunhofer
- ISO9001:2008 issued by **qualityaustria**

### USEFUL LINKS

Information to help with the design and specification of IBS OS'Brace® RAP refer to:

- [IBS OS'Brace® RAP CodeMark](#)
- [IBS Product Specification](#)
- [IBS Design & Installation Guide](#)
- [IBS CAD drawings](#)

Information to help with the installation of IBS OS'Brace® RAP refer to:

- [IBS Design & Installation Guide](#)

For the DIYer refer to:

- [IBS Home Builder Info Sheet](#)

Information to help with the maintenance of IBS OS'Brace® RAP refer to:

- [IBS Maintenance](#)

Information on IBS OS'Brace® RAP warranty refer to:

- [IBS Warranty](#)