

# IBS PLYFLOOR AND PLYROOF

## PURPOSE

IBS supplies:

- Plyfloor for use as an internal flooring substrate, and as a substrate under roofing or decking waterproof membranes
- Plyroof for use as a roofing substrate for shingle or tile applications and as diaphragm bracing to resist lateral wind and earthquake loads.

## EXPLANATION

Plyfloor and Plyroof is an F11 structural plywood. The veneers are glued with an exterior phenol formaldehyde resin. The sheets are CD grade; no knot holes and only minor face repairs. Sheets are supplied untreated or treated to H3 (Micronized Copper Azole (MCA)) or H3.2 (CCA).

The sheets have a plastic tongue and groove installed down the length of the board to enable simpler joining.

Sheet sizes (length x width x depth, mm) are:

- 2400 x 1200 x 19
- 2700 x 1200 x 15.



For further assistance please contact:

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

## SCOPE AND LIMITATIONS OF USE

Scope	Limitations
<p><b>Location</b></p> <p>In wind zones up to and including extra high, as defined in NZS 3604:2011 or to a design wind pressure (ULS) of 2.1 kPa.</p> <p>In all exposure zones as defined in NZS 3604:2011.</p> <p>At least 1 m from a relevant boundary.</p>	<ul style="list-style-type: none"> <li>➤ Where adverse microclimatic conditions apply, as set out in paragraph 4.2.4, NZS 3604:2011, contact IBS for technical advice.</li> </ul>
<p><b>Building</b></p> <p>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.</p> <p>As a flooring, deck or membrane roof substrate.</p>	<ul style="list-style-type: none"> <li>➤ Where used as a roof or deck substrate it is to be used in accordance with E2/AS1 section 8.5 Membrane Roofs and Decks or E2/AS4 section 8.5 Roofs and Decks, NASH Building Envelope Solutions 2019.</li> <li>➤ Plyfloor must be installed perpendicular to the joists.</li> <li>➤ Plywood must be installed in accordance with NZS 3604:2011 or subject to specific engineering design.</li> <li>➤ Cuts to Plyfloor must be sealed with a brush on remedial treatment, such as Metalex Green End Seal.</li> <li>➤ Where used in wet areas, Plyfloor must be covered with an impervious layer.</li> </ul>
<p>As a roofing substrate for roofing materials such as metal roofing and shingles.</p>	<ul style="list-style-type: none"> <li>➤ Plyroof must be installed in accordance with NZS 3604:2011 or subject to specific engineering design.</li> <li>➤ During construction, the plywood is to be kept dry at all times.</li> <li>➤ The moisture content of the supporting timber framing must not exceed 18%.</li> </ul>

## USEFUL INFORMATION

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

## OTHER CERTIFICATIONS AND APPROVALS HELD BY MANUFACTURER

Arauco, as manufacturer of Plyfloor and Plyroof, holds the following certifications:

- PEFC (Programme for the Endorsement of Forest Certification Schemes [Intertek, 01/04/2023].
- FSC (Forest Stewardship Council) [FSC, 14/07/2024].

## PERFORMANCE CLAIMS

If designed, installed and maintained in accordance with all IBS requirements, Plyfloor and Plyroof 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> B1.3.1, B1.3.2, B1.3.3 (a, b, f, h, j, m, q), B1.3.4	ACCEPTABLE SOLUTION B1/AS1	<ul style="list-style-type: none"> <li>Manufactured to AS/NZS 2269.0:2012 under SAI Global StandardsMark licences, numbers SMKB21663 and SMKB21663/1 [SAI Global, 05/06/2024a; 05/06/2024b].</li> <li>AS/NZS 2269.0:2012 cited by E2/AS1 and NZS 3604:2011.</li> </ul>
<b>B2 Durability</b> B2.3.1 (a) when treated, B1.3.1 (c) when untreated, B2.3.2 (a, b)	ACCEPTABLE SOLUTION B2/AS1	<ul style="list-style-type: none"> <li>Treated in accordance with AS/NZS 1604.3:2003 [NZ Timber Preservation Council, n.d; Timber Preservers Association of Australia, 2019].</li> </ul>
<b>F2 Hazardous Building Materials</b> F2.3.1	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> <li>Exterior Phenol-Formaldehyde resin in accordance with AS/NZS 2098.1. Manufacturer's information states emission typically below 0.03 mg/L [IBS, 2013].</li> <li>Treated in accordance with AS/NZS 1604.3:2003 [NZ Timber Preservation Council, n.d; Timber Preservers Association of Australia, 2019].</li> </ul>

## SOURCES OF INFORMATION

- Forest Stewardship Council (FSC). [14/07/2024] [FSC Certificate. Certificate Code: SGS-COC-006455. Retrieved from <https://search.fsc.org/en/certificate/a0240000005sRyHAAU/?tab=group> [Accessed 11/09/2025].
- IBS. [2013] IBS AraucoPly Product Catalogue.
- IBS. [07/2025] IBS Plyroof Installation Guide.
- IBS. [08/2021] IBS Plyfloor Installation Guide.
- Intertek. [01/04/2023] PEFC ST 2002:2020 Certification. Certificate number: 0148901. ITKUS-PEFC-COC-1045286. Retrieved from [https://arauco.com/aus-nz/wp-content/uploads/sites/16/2017/07/2023-Certificate-PEFC-Maderas\\_English.pdf](https://arauco.com/aus-nz/wp-content/uploads/sites/16/2017/07/2023-Certificate-PEFC-Maderas_English.pdf). [Accessed 11/09/2025].
- SAI Global. [05/06/2024a] StandardsMark Licence. AS/NZS 2269.0:2012. Certificate No: SMKB21663. Retrieved from <https://register.saiglobal.com/client/schedule.aspx?setID=SF01&custID=AS491428&appCertNo=SMKB21663> [Accessed 11/09/2025].
- SAI Global. [05/06/2024b] StandardsMark Licence. AS/NZS 2269.0:2012 Certificate No: SMKB21663/1. Retrieved from <https://register.saiglobal.com/client/schedule.aspx?setID=SF01&custID=AS491428&appCertNo=SMKB21663/1> [Accessed 11/09/2025].
- Timber Preservers Association of Australia [2019] Certificate of Registration of Preservative Treatment & Allocated Brand. Brand no. 472 88 H3.
- NZ Timber Preservation Council [n.d]. WOODmark® License. Nos. 065, 132, 435. Retrieved from <https://www.nztpc.co.nz/find-woodmark-licensees> [Accessed 11/09/2025].

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 Plyfloor and Plyroof 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.

**Date of first issue:** 28/02/2020

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**NZBN:** 9429000097253

*Kevin Brunton*

Kevin Brunton, Technical Director, TBB confirms that the process used to prepare this pass™ on behalf of Independent Building Supplies Ltd (IBS) 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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