

## IBS CD STRUCTURAL PLY

### PURPOSE

IBS supply CD Structural Ply for use as a wall bracing element, flooring and deck or roof substrate, and as an internal wall and ceiling lining or panelling.



### EXPLANATION

CD Structural Ply are plywood sheets supplied untreated or treated to H3.2 (CCA). The sheets are manufactured to AS/NZS 2269:2012 and are supplied with a clean-face veneer with solid knots and minor filling.

Sheets are 2400 mm x 1200 mm and supplied in the following thicknesses (mm): 7, 9, 12, 15, 18, 21 and 25.

For further assistance  
please contact:

- 📞 0800 367 759
- ✉️ info@ibs.co.nz
- 👉 [ibs.co.nz](http://ibs.co.nz)

### SCOPE AND LIMITATIONS OF USE

Scope	Limitations
<b>Location</b>	
In wind zones up to extra high, as defined in NZS 3604:2011 or to a design wind pressure (ULS) of 2.1 kPa.	
In all corrosion zones as defined in NZS 3604:2011.	➤ Where adverse microclimatic conditions apply, as set out in paragraph 4.2.4, NZS 3604:2011, contact IBS for technical advice.
At least 1 m from a relevant boundary.	
<b>Building</b>	
In conjunction with a primary structure that complies with the NZ Building Code, or where the designer and/or installer has established that the existing structure is suitable for the intended building work.	➤ The building must be within the scope of E2/AS1 paragraph 1.1 for building height and floor area.
As a wall bracing element on a timber-framed building.	<ul style="list-style-type: none"> <li>➤ Only 7 mm and 12 mm CD structural ply may be used as a bracing element.</li> <li>➤ Sheets must be installed with the graining running vertically.</li> <li>➤ Where used as a wall bracing element, CD Structural ply must be used in accordance with the Scion test assembly.</li> <li>➤ Untreated CD structural ply may not be used on the external envelope.</li> </ul>
As a flooring, deck, roof substrate and linings.	<ul style="list-style-type: none"> <li>➤ Untreated CD Structural ply must not be installed in areas with high moisture content, such as kitchens, bathrooms, toilets, laundries, or where used as a roof or deck substrate.</li> <li>➤ Where used as flooring, or a roof or deck substrate, 18 mm minimum CD Structural Ply must be used.</li> <li>➤ CD Structural ply should not be installed if the moisture content of the supporting timber framing exceeds 18 %.</li> </ul>

### CONDITIONS OF USE

CD Structural Ply must not be used as external cladding.

### USEFUL INFORMATION

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

### OTHER CERTIFICATIONS AND APPROVALS HELD BY MANUFACTURER

Arauco, as manufacturer of CD Structural Ply, holds the following certifications:

- PEFC (Programme for the Endorsement of Forest Certification Schemes) certified by SAI Global to CERTFOR sustainable forest management standard (PEFC, 2020).
- FSC (Forest Stewardship Council) certified (FSC, 2009).
- International certifications refer to <https://www.arauco.cl/aus-nz/sostenibilidad/certificaciones/>. [Accessed 27/03/2022].

## PERFORMANCE CLAIMS

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

NZ Building Code clauses	Compliance statement	BASIS OF COMPLIANCE
<b>B1 Structure</b> B1.3.1, B1.3.2, B1.3.3 (a, b, f, h, j, m, q) B1.3.4 (a, b, c, d, e)	VERIFICATION METHOD B1/VM4 (First edition, Amendment 19)	<ul style="list-style-type: none"> <li>➤ Manufactured to AS/NZS 2269 under SAI Global StandardsMark licences, numbers SMKB21663 (SAI Global, 2019) and SMKB21663/1 (SAI Global, 2019).</li> <li>➤ AS/NZS 2269:1994 cited by NZS 3603:1993 for plywood. NZS 3603:1993 cited by Verification Method B1/VM4.</li> <li>➤ P21 testing carried out by Scion (Scion, 15/04/2011), (Scion, 28/11/2018).</li> <li>➤ P21 Wall bracing test and evaluation procedure, as cited in NZS 3604:2011.</li> <li>➤ Plywood manufactured to AS/NZS 2269 is referenced in E2/AS1 for use as a rigid air barrier and external cladding. This implies that plywood to this standard will have the necessary structural integrity for those uses.</li> </ul>
<b>B2 Durability</b> B2.3.1 (a, b) B2.3.2 (a, b)	ACCEPTABLE SOLUTION B2/AS1	<ul style="list-style-type: none"> <li>➤ Treated in accordance with AS/NZS 1604.3:2012.</li> <li>➤ Lumbercorp NZ Ltd Preservation Certificate (Lumbercorp NZ Ltd, 2020).</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.</li> <li>➤ Manufacturer's information states emission typically below 0.03 mg/L (IBS, 2013).</li> </ul>

## SOURCES OF INFORMATION

- Forest Stewardship Council (FSC). (2009) *FSC Certificate*. Certificate Code: SGS-COC-006455. Retrieved from <https://info.fsc.org/certificate.php> [Accessed 27/03/2022].
- IBS. (2013) *IBS AraucoPly Product Catalogue*.
- Lumbercorp NZ Ltd. (2020) *Lumbercorp NZ Ltd Preservation Certificate*. 01-OA-2009-1377 (IBS CCA - Sarmix Oxcel C - H3.2).
- Lumbercorp NZ Ltd. (2020) *WOODmark® Licensee*. Retrieved from <http://www.nztpc.co.nz/woodmarkLicensees.php> [Accessed 27/03/2022].
- Programme for the Endorsement of Forest Certification (PEFC). (2020) *PEFC Certificate*. Certificate No: SAI-CERTFOR-COC-010993. Retrieved from <https://www.pefc.org> [Accessed 27/03/2022].

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™.

- SAI Global. (25 July 2019) *StandardsMark Licence*. Certificate No: SMKB21663. Retrieved from <https://register.saiglobal.com> [Accessed 27/03/2022].
- SAI Global. (25 July 2019) *StandardsMark Licence*. Certificate No: SMKB21663/1. Retrieved from <https://register.saiglobal.com> [Accessed 27/03/2022].
- Scion. (15 April 2011) *P21. A wall bracing test and evaluation procedure*. Test no. TE10-053. 1200 mm x 2.4 m wall (6.5 mm and 12 mm plywood).
- Scion. (28 November 2018) *P21. A wall bracing test and evaluation procedure*. Test no. TE18-028. 1200 mm x 2.4 m (7 mm plywood with Handibracs).
- NZ Timber Preservation Council. *Woodmark License*. Nos. 065, 132, 435. Retrieved from <http://www.nztpc.co.nz/woodmarkLicensees.php> [Accessed 27/03/2022].

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THIS PASS™.

[ib.co.nz/products/cd-structural-plywood](https://ib.co.nz/products/cd-structural-plywood)



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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