

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 internal wall panelling, ceiling and soffit lining.

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

🌐 www.ibs.co.nz



SCOPE AND LIMITATIONS OF USE

Scope	Limitations
Location	
In wind zones up to extra high, as defined in NZS 3604:2011 or to a design wind pressure (ULS) of 2.5 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.
On any building site.	➤ Must be located further than 1 m from a relevant boundary.
Building	
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 is to fall 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.	➤ Only 7 mm and 12 mm CD structural ply may be used as a bracing element. ➤ Sheets must be installed with the graining running vertically. ➤ Where used as a wall bracing element, CD Structural ply must be used in accordance with the Scion test assembly. ➤ Untreated CD structural ply may not be used.
As a flooring, deck, roof substrate and linings.	➤ 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. ➤ May only be used where the minimum fire performance of material group number 3 is required. ➤ Where used as a flooring, roof or deck substrate, where the minimum thickness is 18 mm. ➤ CD Structural ply should not be installed if the moisture content of the supporting timber framing exceeds 18 %.

CONDITIONS OF USE

Where used externally, checking may occur. This will not affect the performance in terms of compliance with the NZ Building Code.

USEFUL INFORMATION

For information on the design, installation and maintenance of CD Structural Ply and for our warranty refer to www.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		BASIS OF COMPLIANCE
Compliance statement	Demonstrated by	
B1 Structure 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"> ➤ Manufactured to AS/NZS 2269 under SAI Global StandardsMark licences, numbers SMKB21663 (SAI Global, 2019) and SMKB21663/1 (SAI Global, 2019). ➤ AS/NZS 2269:1994 cited by NZS 3603:1993 for plywood. NZS 3603:1993 cited by Verification Method B1/VM4. ➤ P21 testing carried out by Scion (Scion, 15/04/2011), (Scion, 28/11/2018). ➤ P21 Wall bracing test and evaluation procedure, as cited in NZS 3604:2011. ➤ 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.
B2 Durability B2.3.1 (a, b) B2.3.2 (a, b)	ACCEPTABLE SOLUTION B2/AS1	<ul style="list-style-type: none"> ➤ Treated in accordance with AS/NZS 1604.3:2012. ➤ Lumbercorp NZ Ltd Preservation Certificate (Lumbercorp NZ Ltd, 2020).
F2 Hazardous Building Materials F2.3.1	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> ➤ Exterior Phenol-Formaldehyde resin in accordance with AS/NZS 2098.1. ➤ Manufacturer's information states emission typically below 0.03 mg/L (IBS, 2013).

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].
- 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 <https://www.nztpc.co.nz/woodmarkLicensees.php>. [Accessed 27/03/2022].

- Where a standard is referenced it is to be read as amended by the acceptable solution or verification method as applicable.
- 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.
- 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™.
- Where E2/AS1 is referenced it is to be read as including E2/AS4.

IBS confirms that if IBS CD Structural Ply 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 s14 G of the Building Act.

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Scan or click this QR code for a full download of Compliance Documentation for this pass™.

www.ibs.co.nz/products/cd-structural-plywood/



Kevin Brunton

Kevin Brunton, Technical Director, TBB confirms that this pass has been prepared on behalf of IBS and 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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