

# IBS CD STRUCTURAL PLY – EXTERNAL CLADDING



## PURPOSE

IBS supply CD Structural Ply cladding for use as an external cladding.

## EXPLANATION

CD Structural Ply cladding sheets are 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 two thicknesses (mm): 12 and 15.

Where installed in accordance with Scion test assemblies, bracing value may be achieved.

For further assistance please contact:

☎ 0800 367 759

✉ info@ibs.co.nz

🌐 [www.ibs.co.nz](http://www.ibs.co.nz)

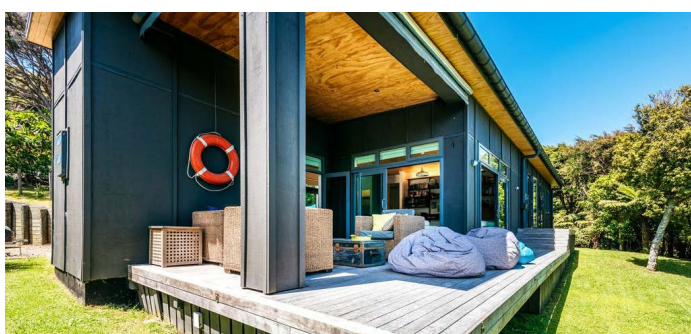


## SCOPE AND LIMITATIONS OF USE

Scope	Limitations
<p><b>Location</b></p> <p>In wind zones up to extra high, as defined in NZS 3604:2011 or to a design wind pressure (ULS) of 2.5 kPa.</p> <p>In all corrosion zones as defined in NZS 3604:2011.</p> <p>On any building site.</p>	<p>➤ Where adverse microclimatic conditions apply, as set out in paragraph 4.2.4, NZS 3604:2011, contact IBS for technical advice.</p> <p>➤ Must be located further than 1 m from a relevant boundary.</p>
<p><b>Building</b></p> <p>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.</p> <p>CD Structural Ply cladding may be direct fixed or installed over a drained, ventilated cavity.</p>	<p>➤ The building is to fall within the scope of E2/AS1 paragraph 1.1 for building height and floor area.</p> <p>➤ Direct fixed only applies where the elevation has a risk score of 6 or less (refer to table 3, E2/AS1).</p> <p>➤ Where bracing value is required, CD Structural Ply cladding must be face fixed and installed in accordance with the Scion test assembly.</p> <p>➤ Sheets must be installed with the graining running vertically.</p> <p>➤ Once installed CD Structural Ply Cladding must be finished with a protective coating.</p> <p>➤ Protective coating must have a minimum light reflectance value (LRV) of 40.</p>

## CONDITIONS OF USE

- Installation must be in strict accordance with E2/AS1 or E2/AS4. Where details are not provided in these acceptable solutions, then the details are subject to specific weathertightness design.
- Surface checking may occur over time. This will not affect the cladding's performance in terms of compliance with the NZ Building Code.
- Maintenance to be in accordance with IBS requirements.



## USEFUL INFORMATION

For information on the design, installation and maintenance of CD Structural Ply cladding and for our warranty refer to [www.ibs.co.nz](http://www.ibs.co.nz).

## OTHER CERTIFICATIONS AND APPROVALS HELD BY MANUFACTURER

Arauco, as manufacturer of CD Structural Ply cladding, 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 cladding 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 (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).</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>E2 External Moisture</b> E2.3.2, E2.3.5, E2.3.7 (a, b, c)	ACCEPTABLE SOLUTION E2/AS1	<ul style="list-style-type: none"> <li>➤ Installation to section 9.8.</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 3 February 2020].
- IBS. (2013) *IBS AraucoPly Product Catalogue*. Retrieved from <https://www.ibs.co.nz/wp-content/uploads/2018/02/arauco-booklet-1-1.pdf> [Accessed 3 February 2020].
- 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 3 February 2020].
- Programme for the Endorsement of Forest Certification (PEFC). (2020) *PEFC Certificate*. Certificate No: SAI-CERTFOR-COC-010993. Retrieved from <https://www.pefc.org> [Accessed 3 February 2020].
- SAI Global. (25 July 2019) *StandardsMark Licence*. Certificate No: SMKB21663. Retrieved from <https://register.saiglobal.com> [Accessed 3 February 2020].
- SAI Global. (25 July 2019) *StandardsMark Licence*. Certificate No: SMKB21663/1. Retrieved from <https://register.saiglobal.com> [Accessed 3 February 2020].
- Scion. (15 April 2011) *P21. A wall bracing test and evaluation procedure*. Test no. TE10-053. 1200 mm x 2.4 m wall (12 mm plywood).
- NZ Timber Preservation Council. *Woodmark License*. Nos. 065, 132, 435. Retrieved from <https://www.nztpc.co.nz/woodmarkLicensees.php> (18 February 2020).

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[www.ibs.co.nz/products/cd-structural-plywood/](http://www.ibs.co.nz/products/cd-structural-plywood/)



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 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™.
4. 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.

**Date of first issue:** 06/03/2020

**Date of current issue:** 30/03/2022

**NZBN:** 9429000097253

*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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