

## IBS BUILDERS GRADE FORMPLY

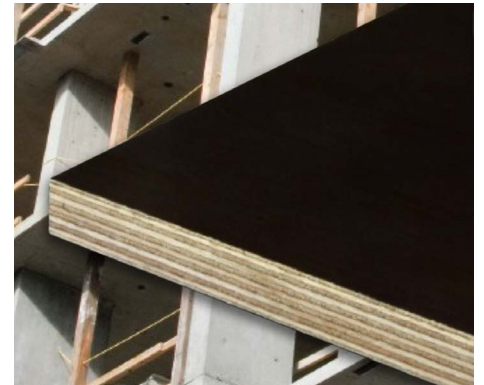
### PURPOSE

IBS supplies Builders Grade Formply for use as part of a structural formwork system for use with in-situ concrete.

### EXPLANATION

IBS Builders Grade Formply:

- › is batch tested, 11-ply hardwood plywood
- › is supplied as 2440 x 1220 x 18 mm sheets
- › has climate-resistant A grade bond Water Boil Proof (WBP) melamine glue lines
- › has anti-abrasive, wrinkle-resistant and anti-corrosive, brown, phenolic film face on both sides
- › has an F5 - F6 surface finish
- › has all four edges paint sealed.



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>Building</b></p> <p>Low to moderate impact applications.</p> <p>Where the formply is specified in accordance with AS 3610.1 <i>Formwork for concrete</i>.</p>	<ul style="list-style-type: none"> <li>› A sheet can be reused 5 to 8 times each side, provided it is used and stored as instructed.</li> <li>› Release agents must not come into contact with reinforcement, embedded items, or hardened concrete against which fresh concrete is to be placed.</li> <li>› Diesel, petrol, or other oil-based products are not recommended as release agents.</li> <li>› Any cut edges must be sealed with paint or sealant.</li> </ul>

### USEFUL INFORMATION

For information on the design, installation and maintenance of Builders Grade Formply and for our warranty, refer to [ibs.co.nz](http://ibs.co.nz).

### OTHER CERTIFICATIONS AND APPROVALS HELD BY UNIEXPORT CO. LTD.

- › SGS FSC Chain of Custody Cert No. SGSHK-COC-370190 [2018]. Assessed against:
  - FSC-STD-40-004 [V3.0]. *Standard for Chain of Custody Certification.*
  - FSC-STD-50-001. *Requirements for use of the FSC trademarks by Certificate Holders.*



## PERFORMANCE CLAIMS

If designed, installed and maintained in accordance with all IBS requirements, the IBS Builders Grade Formply 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, c, j & p)	ALTERNATIVE SOLUTION	SGS test report POL 17/0014: > bending strength = 51.09 MPa > modulus of elasticity in bending = 5709 MPa > bonding strength = 1.92 MPa > swelling after immersion in water = 3.06% > moisture resistance (tensile strength) = 0.68 MPa > density = 684.9 kg/m <sup>3</sup> > moisture content = 6.5%.
<b>B2 Durability</b> B2.3.1 (c)	ALTERNATIVE SOLUTION	> If stored, maintained & used correctly it will be fit for purpose for 5 – 8 uses.
<b>F2 Hazardous Building Materials</b> F2.3.1	ALTERNATIVE SOLUTION	> SGS test report POL 17/0014 demonstrates no release of formaldehyde.

## SOURCES OF INFORMATION

- > SGS Vietnam Ltd Test Report POL 17/0014 [31 July 2017]
  - BS EN 310:1993. *Wood-based panels. Determination of modulus of elasticity in bending and of bending strength.*
  - BS EN 314-1:2004. *Plywood Bonding Quality Test Methods.*
  - BS EN 317:1993. *Particleboards and Fibreboards. Determination of swelling in thickness after immersion in water.*
  - BS EN 323:1993. *Wood-based panels. Determination of density.*
  - BS EN 322:1993. *Wood-based panels. Determination of moisture content.*
- BS EN 717-3:1996. *Wood-based panels. Determination of formaldehyde release. Formaldehyde release by flask method.*
- BS EN 1087-1:1995. *Particle boards. Determination of moisture resistance. Particle boards. Determination of moisture resistance. Boil test.*
- BS EN 717-3:1996. *Wood-based panels. Determination of formaldehyde release. Formaldehyde release by the flask method.*

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 Builders Grade formply 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:** 11/03/2019  
**Date of current issue:** 29/03/2022  
**NZBN:** 9429000097253

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

[www.ibs.co.nz/products/builders-grade-plywood/](http://www.ibs.co.nz/products/builders-grade-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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