

## IBS BUILDERS GRADE FORMPLY

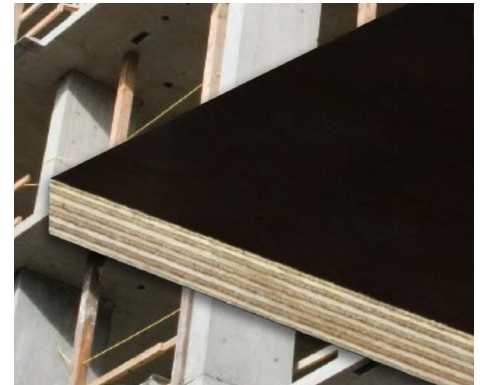
### PURPOSE

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



### 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 <sup>1</sup>	Demonstrated by
<b>B1 Structure</b>	ALTERNATIVE SOLUTION	SGS test report POL 17/0014:
B1.3.1	BS EN 310:1993	› bending strength = 51.09 MPa
B1.3.2	BS EN 314-1:2004	› modulus of elasticity in bending = 5709 MPa
B1.3.3 (a, b, c, j & p)	BS EN 317:1993	› bonding strength = 1.92 MPa
	BS EN 1087-1:1995	› swelling after immersion in water = 3.06%
	BS EN 323:1993	› moisture resistance (tensile strength) = 0.68 MPa
	BS EN 322:1993	› density = 684.9 kg/m <sup>3</sup>
		› moisture content = 6.5%.
<b>B2 Durability</b>	ALTERNATIVE SOLUTION	› If stored, maintained & used correctly it will be fit for purpose for 5 – 8 uses.
B2.3.1 (c)		
<b>F2 Hazardous Building Materials</b>	ALTERNATIVE SOLUTION	› SGS test report POL 17/0014 demonstrates no release of formaldehyde.
F2.3.1	BS EN 717-3:1996	

1. The Compliance Statement is the pass holder's statement that they have met their obligations under s14G(2) of the Building Act 2004.

## 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.*
- › NZS3113: 1987. *Concrete surface finish types.*



**VERSION:**

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**DATE:**

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*Note: Uncontrolled in printed format.*

**NAME:**

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Jason Bardell

**POSITION:**

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Managing Director

Signed on behalf of IBS Building Products:

By signing this pass™ the signatory confirms that, in respect of the subject of this pass™, the company has met their s14G obligations under the Building Act 2004.



**IBS Building Products, 1/7 Fraser Road, Panmure, Auckland › info@ibs.co.nz › 0800 367 759 › www.ibs.co.nz**