

IBS BUILDERS GRADE FORMPLY

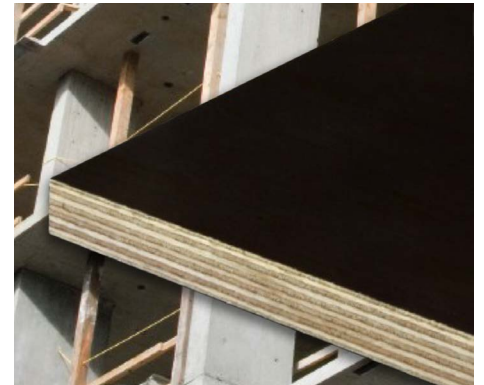
PURPOSE

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>Building</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"> › A sheet can be reused 5 to 8 times each side, provided it is used and stored as instructed. › Release agents must not come into contact with reinforcement, embedded items, or hardened concrete against which fresh concrete is to be placed. › Diesel, petrol, or other oil-based products are not recommended as release agents. › Any cut edges must be sealed with paint or sealant.

USEFUL INFORMATION

For information on the design, installation and maintenance of Builders Grade Formply and for our warranty, refer to 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 ¹	Demonstrated by
B1 Structure	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 ³
		› moisture content = 6.5%.
B2 Durability	ALTERNATIVE SOLUTION	› If stored, maintained & used correctly it will be fit for purpose for 5 – 8 uses.
B2.3.1 (c)		
F2 Hazardous Building Materials	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