



Builders Grade Ply Installation Guide



OCTOBER 2021

Contents

1. Introduction	3	4. Installation	5
1.1 What is Builder's Grade Ply?	3	4.1 Tools And Other Product Requirements	5
1.2 Key Features and Benefits	3	4.2 Confirm Scope	5
1.3 Builder's Grade Ply Intended Use	3	4.3 Check Building And Substrates	5
1.4 Important Documents	3	4.4 Cut Sheets	5
2. Best Practice	3	4.5 Predrill Pilot Holes	5
2.1 Skills Required	3	4.6 Finishing	5
2.2 For More Help	3	4.7 Select Fixings and Fasteners	5
2.3 For Our Warranty	3	4.8 Expansion Gaps	5
2.4 Health & Safety	3	5. Maintenance	6
2.5 Handling & Storage	3	Notes	7
3. Design	4		
3.1 Design Considerations	4		
3.2 As a wall lining	4		
3.3 As a ceiling lining	4		

NZBN 9429000097253

IBS Builders Grade Untreated Ply Product Details			
L x W x Thickness (mm)	Weight (kg)	IBS Product Code	GTIN
2400 x 1200 x 7	11.0	BUILDU072412	09421028761482
2400 x 1200 x 9	14.2	BUILDU092412	09421028761499
2400 x 1200 x 12	18.9	BUILDU122412	09421028761505
2400 x 1200 x 18	28.3	BUILDU182412	09421028761512
2400 x 1200 x 21	33.0	BUILDU212412	09421028761536

IBS Builders Grade H3.2 Ply Product Details			
L x W x Thickness (mm)	Weight (kg)	IBS Product Code	GTIN
2400 x 1200 x 7	11.0	BUILDT072412	09421028761628
2400 x 1200 x 9	14.2	BUILDTM092412	09421028769617
2400 x 1200 x 12	18.9	BUILDTM122412	09421028769624
2400 x 1200 x 18	28.3	BUILDTM182412	09421028769631

Contact us for more information or to talk to our team.

www.ibs.co.nz | 0800 367 759 | info@ibs.co.nz

1. Introduction

This guide provides advice on handling, installing and maintaining IBS Builder's Grade Ply.

1.1 What is Builder's Grade Ply?

IBS Builders Grade is part of our non-certified range of plywood and although not structurally tested to NZ standards, it is tested to European CE-EN 13986, US PS1-09 or Japanese JAS, manufactured by ARAUCO under strict quality control.

Sheets are supplied untreated or treated to Hazard Class, H3.2 (CCA) in 2400 mm x 1200 mm sheets with the following thicknesses (mm): 7, 9, 12, 18, 21. It is a certified "A" bond using an exterior phenol formaldehyde resin and is a low formaldehyde emissions (LFE) panel.

1.2 Key Features and Benefits

- Versatile
- Impact resistant and durable
- Cost effective lining solution
- High quality faces with pre-sanding means a great finish every time
- Light and easy to handle building material

1.3 Builder's Grade Ply Intended Use

- Wall hoardings and shelving
- Sand pits
- Building the dog house or children playhouses
- Temporary weatherproofing for damaged buildings
- Landscaping fencing
- Formwork for paths and driveways
- Motorway sidings
- Making furniture or toys
- Wall or ceiling lining

1.4 Important Documents

This guide must be read in conjunction with the:

- IBS Builders Grade Ply warranty.

2. Best Practice

2.1 Skills Required

To install Builder's Grade Ply, the installer must, at a minimum, be a competent DIYer.

2.2 For More Help

Technical assistance is available at info@ibs.co.nz. While all reasonable efforts have been made to ensure the accuracy of information provided, this is a guide only, and it may be subject to change.

2.3 For Our Warranty

Refer to www.ibs.co.nz.

2.4 Health & Safety

Take all necessary steps to ensure your safety and the safety of others:

- ensure adequate ventilation or mechanical dust extraction when cutting or drilling
- ensure the sheets are well supported when cutting
- wear appropriate safety equipment, including clothing, footwear and safety glasses
- use all tools in accordance with the relevant instruction manuals
- clear the work area of any obstructions before work starts
- ensure edge protection and/or appropriate scaffold is installed where working at height.

For further information refer to:

- [WorkSafe, Small Construction Sites, The Absolutely Essential Health and Safety Toolkit.](#)
- [WorkSafe, Health and Safety at Work, Quick Reference Guide.](#)

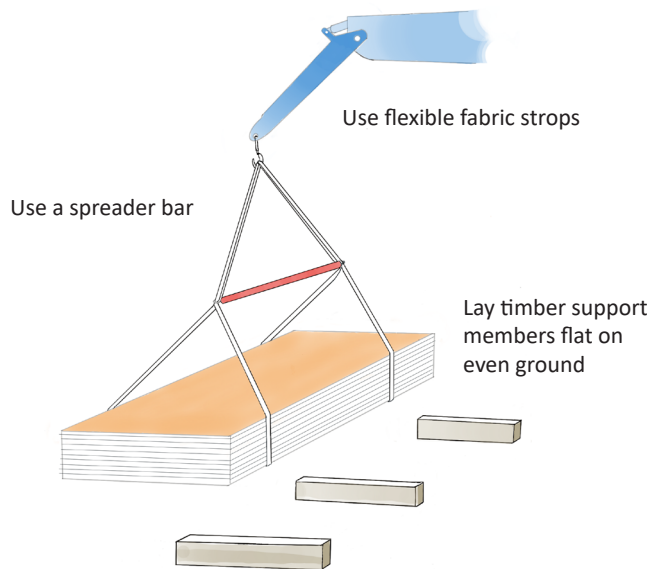
2.5 Handling & Storage

Take care when transporting, handling, and storing IBS Builders Grade Ply to avoid damaging the sheets.

Unload sheets by hand and carry on edge. If unloading mechanically, ensure there is a minimum of two well-spaced supports or supported with a pallet to avoid excessive bending or sagging. A spreader bar may be needed when using a crane.

If stored on-site, stack sheets flat on a dry surface and at least 150 mm off the ground. Cover the sheets.

Ensure the area where the sheets are stored is dry, well-ventilated, out of direct sunlight and away from any heat source.



3. Design

3.1 Design Considerations

Confirm scope

Ensure the project falls within the allowed scope and limitations for the intended use, in particular suitability of the building, treatment requirements and the structural framing support.

3.2 As a wall lining

- Sheets are fixed on one face only; sheet height 2400 mm.
- Sheets must be fixed vertically.
- Fix using glue and nails or screws at 150 mm centres around the perimeter of each panel and 300 mm centres on the middle studs. Ensure nails and screws are fixed at the centre point of the studs. There is no need for nails or screws on nogs or dwangs.

3.3 As a ceiling lining

When fixing as a ceiling lining always use both glue and mechanical fixings. See our glue guide for recommendations. Fix using annular grooved nails or screws at 150mm centres around the perimeter of each panel and at 300mm centres on other supports.

4. Installation

4.1 Tools And Other Product Requirements

Tools

- Fine-tooth hand saw or power saw
- jig saw
- plane
- drill
- pin gun
- sandpaper
- hole saw and speed bits
- moisture meter (where exposed to moist conditions).

Other products

- Adhesives (see our glue guide for recommendations)
- Fixings
- Fillers.

4.2 Confirm Scope

Ensure the project falls within the allowed scope and limitations for the intended use, in particular suitability of the building, treatment requirements and the structural framing support.

4.3 Check Building And Substrates

- Ensure that the timber framing, to which the IBS Builders Grade Ply is to be fixed has an 18 % mc or less.
- Where installed as an internal lining, establish the building is fully weathertight.

4.4 Cut Sheets

Cut sheets using a fine-tooth hand or power skill saw. Arase the edge using a plane or 120-150 grit sandpaper.

For treated product ensure that you retreat any cut edges including holes.

4.5 Predrill Pilot Holes

Where sheets are to be fixed with screws, predrill 2.4 mm pilot holes to prevent splitting the sheets.

Drill the holes approximately 2-3 mm deeper than

the screw depth. Do not overtighten screws as it will reduce their holding strength.

4.6 Finishing

Once installed, fill all visible screw, nail or staple holes with a flexible grade wood filler and then lightly sand.

Finish the sheets with polyurethane or paint. Use three coats: a primer and two topcoats. Sand the surface after each coat with 280-320 grit sandpaper.

4.7 Select Fixings and Fasteners

Internal lining
Fixings to be: <ul style="list-style-type: none"> • For best results use a panel adhesive and mechanical gun-driven pins or hand driven panel pins.
Exterior lining
Fixings to be: <ul style="list-style-type: none"> • For best results us a panel adhesive and either gun nails or screws. Ensure that you use either galvanised fixings or if you are in a sea spray area stainless steel fixings must be used.

4.8 Expansion Gaps

Allow expansion gaps when butting the sheets of at least 2mm between each sheet.

5. Maintenance

Under normal conditions, IBS Builders Grade Ply will need no maintenance as long as the protective finished layer has been maintained.

If water damage does occur to an area where IBS Builders Grade Ply has been used, first remove the protective layer. Then make sure the area is allowed to dry thoroughly before you replace any protection.

Maintaining the protective layer will depend on the specific finish manufacturer's requirements. But, typically it will include:

- Regularly washing and/or wiping clean protective surfaces to remove mould, scale and/or soap deposits.
- Checking the sealant joints around fixtures.
- Regular inspections should be carried out to check the sheets are not damaged by humidity or moisture.

Notes



1/7 Fraser Road, Panmure, Auckland, New Zealand
0800 367 759 | info@ibs.co.nz
www.ibs.co.nz