



Hardwood Ply Installation Guide



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NZBN 9429000097253

IBS Hardwood Ply Product Details			
L x W x Thickness (mm)	IBS Product Code	Weight (kg)	GTIN
2400 x 1200 x 9	HARDOP092412	14	09421028769686
2400 x 1200 x 18	HARDOP182412	28	09421028769709

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

This guide provides advice on handling, installing and maintaining IBS Hardwood Ply.

1.1 What is Hardwood Ply?

IBS Hardwood Plywood is a quality decorative wood panel for interior use only.

It is made with layers of wood veneer and Hardwood Okoume face and back.

The strong and versatile material can be used to make anything from lining walls and ceilings to furniture and cabinetry.

Sheets are supplied untreated in 2400x1200 in both 9mm and 18mm thicknesses.

1.2 Benefits of Hardwood Ply

- 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

- When clear finished the product gives that rich deep hardwood colour.

1.3 Hardwood Ply Intended Use

IBS Hardwood ply is manufactured using an interior MR glue line, so it is intended for interior applications only.

IBS supply Hardwood Ply for use as wall or ceiling lining or for making furniture.

1.4 Important Documents

This guide must be read in conjunction with the:

- IBS Hardwood Ply warranty.

2. Best Practice

2.1 Skills Required

To install Hardwood 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.](#)

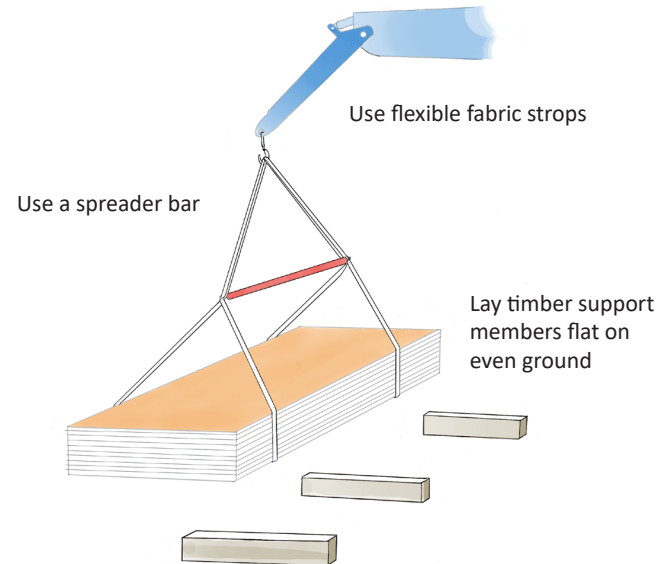
2.5 Handling & Storage

Take care when transporting, handling, and storing Hardwood 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

- 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 Hardwood 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.

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.

5. Maintenance

5.1 Internal Use

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

If water damage does occur to an area where Hardwood 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



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