

Construction Range

Floorings™



Supports from beneath.

Flooring™

IPL Flooring ply is perfect for residential, commercial and industrial projects. Renowned for its strength, ease-of-use, and reliability: it won't let you down.

At a glance

- Manufactured to AS/NZ 2269 Construction Plywood.
- High strength-to-weight ratio makes it ideal in a range of applications where strength and stiffness are required.
- Available treated to H3.2 (CCA treated) and, on request, clear treated LOSP to H3.1 standard.
- Also available untreated to be used in areas where contact with moisture is not a consideration.
- Comes with plastic tongue & groove for easy interlocking.
- Available in 15, 17, 19, 22, 25 and 32mm thicknesses.
- IPL Flooring can be manufactured for use in a situation where the underside can be exposed with our 100mm spaced V groove profile to make the feature on a mezzanine floor or second storey.
- Available in a square edge finish which requires the panel to be joined on a joist on the 1.2m wide end and the 2.4m length is to be joined on nogging or blocking which will be required between the joists.
- Flooring Available with a C grade face and with a D grade back although can be manufactured on request with a clean (S grade) face which can be clear coated to take advantage of the natural pine face.
- Flooring available in D grade face and back - C Grade Face available on request
- Bonding of the plywood is made with Super E0 formaldehyde resin. The E0 level is less than 3 parts per million which is often less than the reading that occurs in natural surroundings. This makes IPL Flooring a very good eco-friendly option.

Installation

- Sheets must be laid perpendicular (sheets laid lengthways across joists) to the floor joists.
- Sheets must be laid in brick pattern as per diagram to disperse load more evenly.
- T&G edges should not be forced up tight to allow for some expansion if moisture is taken up during construction. Square edge sheets and end joints on T&G sheets should be left with a 2mm gap to allow expansion. The total floor area should be left with at least a 5mm gap around the perimeter of the floor. This is to allow for any expansion that may take place if moisture is absorbed into sheets.
- Nail or screw at 150mm around perimeter of sheet and 300mm around through the intermediate. When fixing H3.2 (CCA treated) use a minimum of hot dip galvanised but preferably stainless steel 316. If using H3.2 (ACQ treated) use stainless steel 316. Use annular grooved or ring shanked nails for superior holding power
- To eliminate squeaking and to aid screw/nail holding use a continuous bead of construction adhesive on all joists, timber and steel.
- Use suitable thickness plywood flooring as per Flooring Span Table. If special loads are

required, consult an engineer for subfloor design and thickness of plywood.

- IPL Flooring can be left exposed to the weather but the surface will deteriorate gradually over a period of time with checking (fine splits) etc. The structural integrity of the sheets will remain even though exposed during construction.
- If floor is to be clear finished, care must be taken to protect the surface. If sanding is required, only a light sand is advisable as heavy sanding weakens the panel and could expose the glue line.

Compliance with Standards

IPL Flooring is manufactured in accordance with AS/NZ 2269 Construction Plywood. The panels are to be installed in accordance with the building design code.

The Engineered Wood Products Association of Australasia (EWPPAA or PAA) audits the production processes and internal quality control procedures to ensure

we meet the requirements of the product Standard. This third party audited, process based, quality assurance scheme meets the requirements of an ISO Type 5 system and ensures constant monitoring of maintaining production of quality.

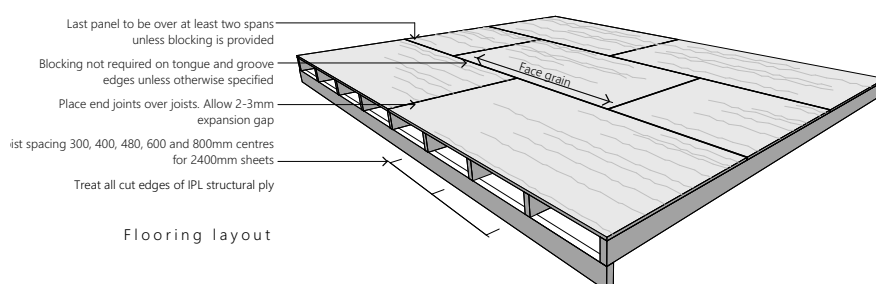
Environmentally Sustainable

All veneer used in IPL Flooring is from renewable, plantation-grown Pinus Radiata New Zealand plantations and is available PEFC certified on request.

Bonding

All IPL construction plywood is bonded with phenol formaldehyde resin (dark red in colour). This results in a permanent bond which after manufacture will not part. This is the same bonding material used in Marine type plywood.

Branding



Back of all sheets marked:

CD: The back of all sheets marked with sheet face and grade

IPL: Company name

A bond: Bond type

F8 or F11: Stress grade

AS/NZ 2269: Structural Plywood Standard

914: Engineered Wood Products Association mill number

Construction code eg 19mm 19-24-7

Flooring Span Table

		15mm F8	17mm F8	19mm F8	22mm F8	25mm F8	32mm F8
Domestic Homes	2kPa/1.8kN	400	480	600	600	800	1200
Domestic Garages	2.5kPa/9kN				400	480	800
Office 3kPa/2.7kN					600	800	1200
Retail Shops 4kPa/1.1kN					400	800	1200
Industrial .25kPa/1.8kN						600	800

Fixing Recommendations

Ply Thickness (mm)	Timber Frame		Steel Frame	
	Nails Length x thickness (mm)	Screws Gauge x length (mm)	Screws Steel Thickness <1.15mm	Screws Steel Thickness <2mm
15	50 x 2.8	8 x 40	10-24-40	10-16-40
17	60 x 2.8	8 x 50	10-16-45	10-16-45
19	60 x 2.8	8 x 50	10-16-45	10-16-45
22	60 x 2.8	10 x 50	10-16-45	10-16-45
25	75 x 3.15	10 x 50	10-16-45	10-16-45
32	100 x 4.0	10 x 75		

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Crafted on the Coast
Made for New Zealand