Installation & Handling Guide for F11 Structural T&G Flooring Plywood

Pre-Installation Inspection.

Examine the plywood for any visible defects such as warping, cracks, or delamination. Ensure the surface is smooth and free of significant knots or holes. Panel surfaces should be free from dirt and loose wood fibres.

Storage & Handling.

bbi plywood should be handled and stored with care. In order for you to get the finish and end result that you are looking for:
The product should be stored until used in a dry area protected from the sun, rain, wind or snow. The product should not be placed directly on the ground and should be supported with at least three but preferably four supports.

bbi plywood should always be stored flat and not on the edge. If possible, store in the room for at least 24 hours prior to installation when using bbi plywood inside, this will give it time to reach equilibrium moisture content and reduce the potential for movement after installation.

For further information about storage and handling recommendations, please refer to standard AS/NZS 2269. Additionally, a Material Safety Data Sheet is available on our website www.bbi.net.nz.

Framing.

Framing must comply with the New Zealand building code requirements.

Fixings & Adhesives.

When fixing AraucoPly Flooring it is important that you use glue and screws to minimise the potential chance of squeaking. Mechanical fixings must be either annular grooved stainless steel nails 50mm long or stainless steel screws at least 50mm in length. Fixings should be at 150mm centres at all points of contact with the framing.

Always allow an expansion gap when installing AraucoPly Flooring. This gap will depend on the size of the floor but at least a 3mm gap is suitable for most applications.

Installation.

When fixing the sheets to the roof ensure that you stagger the joints. 50mm ring shank or annular grooved 2.8mm nails at 150mm centres should be used when fixing the sheets and stainless steel fixings are recommended for any coastal areas. Around the edge of the roof, at gable ends, eaves or gutters, the sheets must be properly supported and fixings should be at 100mm centres. In high wind zones it is recommended that stainless steel screws are used.

Finishing Requirements.

It is important to note that when using AraucoPly Flooring that has nails at 150mm centres should be used when fixing the sheets and stainless steel fixings are recommended for any coastal areas. Around the edge of the roof, at gable ends, eaves or gutters, the sheets must be properly supported and fixings should be at 100mm centres. In high wind zones it is recommended that stainless steel screws are used.

Mould on Plywood Disclaimer.

Moulds and algae can develop on both treated and untreated plywood products. This growth is influenced by environmental factors such as temperature, humidity, moisture, and the presence of airborne mould spores.

Moulds can develop on untreated plywood, as well as on treated plywood such as H3.1 LOSP and H3.2. If the plywood becomes damp, whether in storage or in the field, and environmental conditions are ideal, mould growth may occur. Plywood exposed to the elements can also develop mould in wet and warm conditions.

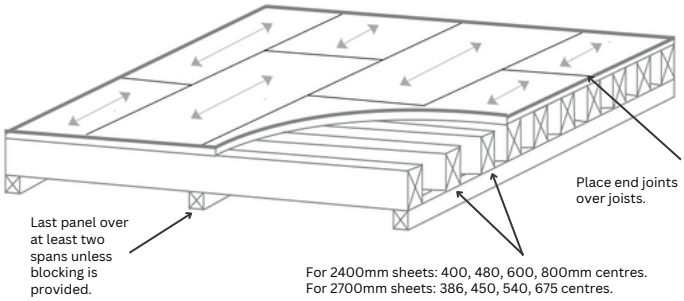
PREVENTION AND TERMINATION:
To prevent mould growth, it's essential to control the moisture content. Mould growth ceases when the plywood's moisture content falls below approximately 18%. For plywood flooring, allowing it to dry out will halt mould development, though some discouloration may remain. Brush off any visible mould and similarly, surface algae will disappear when dried.

RECOMMENDED ACTION:
If mould appears on treated plywood, no specific action is needed during the building process. However, it is advisable to cut out bottom plates near doors and windows early and ensure proper drainage for floors exposed to wet weather. Swiftly closing in the structure is also important to prevent prolonged exposure. Should the plywood remain exposed for an extended period due to construction delays, further investigation may be necessary. Depending on local conditions, an extended exposure may necessitate specialist assessments to check for decay fungi.

REMEDIATION OPTIONS:
While mould does not affect the structural integrity of plywood, cleaning products such as '30 Seconds Outdoor Cleaner' can restore the appearance of the surface.

Prevention of Fire Occuring.

Separation or protection must be provided to bbi® PlyFloor plywood from heat sources such as stoves, heaters, flues and chimneys. Part 7 of NZBC Acceptable Solutions C/AS1 to C/AS6 and NZBC Verification Method C/VM1 provide methods for separation and protection of combustible materials from heat sources.



bbi wood products