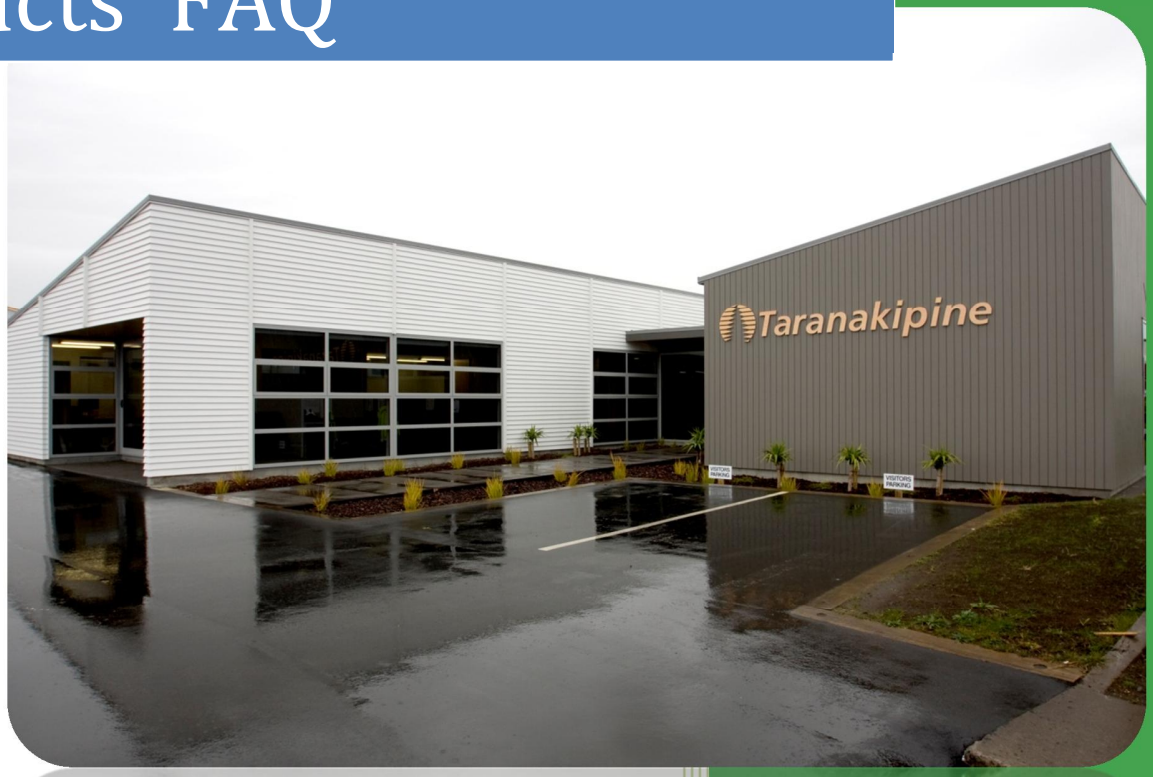
Taranakipine™

Products FAQ



www.taranakipine.co.nz

1. What products do you produce?

Taranakipine is a leading New Zealand wood processor specializing in the development and manufacture of Engineered Wood Products (EWP), utilising Finger Jointing and Laminating technology to produce high quality, dimensionally stable structural and non-structural products.

2. What timber species do you use?

Taranakipine exclusively use New Zealand Radiata Pine, a high quality resource of which some 62% of the plantation forests having been pruned.

The vast majority of these forests are managed in recognition of the interdependence of ecological, economic and social sustainability principles under an accord between industry and environmental groups.

New Zealand Radiata Pine is strong, versatile and 100% sustainable with logs producing high quality timber best suited for housing, furniture and all forms of show wood and engineered wood products.

3. What type of Finger Joint do you use?

Taranakipine use a 4 mm face to face vertical micro joint, which is suitable for both Structural and non Structural applications.

4. What is a Laminate?

An “Edge” laminate refers to a join on the narrowest face.

A “Face” laminate refers to a join on the widest face.

5. What Standards do you produce to?

All of our products are produced in accordance with all relevant local standards, to suit any country of destination. The following standards are the most common standards we need to comply to, however feel free to discuss with us any other requirements you may have.

Australia / New Zealand

AS5067 Non Structural laminating

AS5069 Non Structural Finger Jointing

AS5068-2006 Structural Finger Joints

AS1720.1-1997 Timber Structures

NZS3622:2004 Verification of Timber

AS/NZS1328.1:1998 &1328.2:1998 Glue Laminated Structural Timber

AS/NZS1604.5:2005 Timber preservation

USA

D5572-95 (1999) Non Structural Finger Jointing

D5751-99 (2005) Non Structural laminating

Designed to meet the requirements of UC2 and UC3a

6. What Quality Assurance procedures do you follow?

We are committed to on-site and in-line testing, as a crucial part of our quality assurance program.

We have the capability to test our Finger Joints for strength, through a process of bending and measuring the joint until it breaks.

We check for De-lamination of our products, by placing sections of the laminated joint into a conditioner called an autoclave. The autoclave creates an extreme environment including high temperatures and humidity, for accelerated testing.

We test the absorption of the glue into the timber, around the joint, this is established by cracking the joint in a guillotine and visually viewing where the glue has penetrated the wood fibre.

We also test the strength of our products using calculations based on the MOE (Modulas of Elasticity) and MOR (Modulas of Rupture) through tension, compression and bending.

These two specific tests are critical in determining and ensuring the strength of the beams we produce do achieve the required engineered strength.

7. Do you employ Third Party Audits?

Yes. Independent third party audits are carried out against each of the standards we manufacture to. Please feel free to ask about the specific audits relevant to your inquiry.

8. What type of adhesives do you use?

The glues that we use are carefully selected to meet the required standards of each market we sell to. Please enquire with the sales team at Taranakipine for specific details if needed.

9. Do you use a timber preservative?

Yes.

We have two systems depending upon the product and end use.

LOSP (LIGHT ORGANIC SOLVENT PRESERVATIVE)

- 25 year conditional guarantee

LOSP (H3) is an effective preservative formulation designed to provide a lasting protection for wood products used in external situations above ground - Hazard Level 3 (H3-Australia, H3.1-New Zealand).

The formulation contains specialised fungicides for protection against fungal decay and an insecticide to provide lasting protection from termites and other wood boring insects.

The complete formulation is applied by a controlled vacuum-pressure process. Our chosen formulation uses an organic solvent carrier to transport the active ingredients into the wood. This solvent does not saturate wood cells and causes little or no swelling during treatment. This means that the timber maintains its original size, shape and strength grading.

CCA (CHROMATED COPPER ARSENATE)

- 50 year conditional guarantee

CCA preservative is a waterborne, chromated copper arsenate preservative system developed to provide long-term protection to wood exposed in exterior applications and is applied to wood by pressure treatment.

The CCA preservative is an effective fungicide and termiticide providing protection from a broad spectrum of decay fungi & wood boring insects.

CCA is a very effective wood preservative, however unlike the LOSP treatment system, timber treated with CCA will swell the timber and alter its pre-treated dimension. This factor makes it very difficult to use for engineered wood products where exact dimensions are required and is normally used only in products designed for Industrial and landscaping applications.

10.How do you ensure all laminates are treated properly?

Due to the cell structure and “pathways”, it is not always possible to properly treat and fully penetrate the sapwood **after** it has been laminated.

The glue can effectively act as a closed door, so depending upon the orientation of the grain in relationship to the glue line; it is not possible to guarantee compliance with the Australian standards for treatment penetration.

To resolve this issue we treat the centre laminates separately, prior to lamination to ensure full penetration.

We then laminate all of the boards together and return to the treatment plant, this second process treats the outside laminates and the entire product in its final shape and form.

This treatment process guarantees that every timber component of the laminated product is fully and properly treated to meet or exceed the treatment standards.

11.What paint primer do you use?

We use an Architectural quality alkyd primer supplied by PPG.

The timber is supplied ready for top coating.

For details on the primer and the optional guarantee, see the Taranakipine "Paint Specification" for Finger Jointed material. For more information visit www.taranakipine.co.nz

12.Why do you Brand or apply end tags to your timber?

"Branding" is a legal requirement:

End Tags are the most common form of branding, as they can be removed without affecting the visual appearance of the finished (installed) product, the End Tags contain much information on the product, i.e.

- The end use of the product
- The supplier
- The appropriate Standards the product is produced to.

A running brand is applied to some products, normally the back-side of fascia which is imprinted onto the timber via a metal wheel on the tail end of the planer and provides the same level of information as an End-Tag.

For more information phone +64 6 755 9000 or visit

www.taranakipine.co.nz