

A circular logo with a scalloped edge. Inside, the text "STRUCTURAL TIMBER EXPERTS" is written in white, with "SINCE 1992" in orange below it. A small graphic of a timber joint is at the top.

STRUCTURAL
**TIMBER
EXPERTS**
SINCE 1992

Techlam Warranty and Maintenance Information.

A stylized logo consisting of three overlapping geometric shapes: a blue triangle pointing up, a yellow triangle pointing down, and a grey triangle pointing right.

techlam[®]
timber redefined

0800 832 452 // info@techlam.co.nz // techlam.co.nz



Structural
laminated
timber
products



04 **Techlam Timber Maintenance**

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1 Maintenance

// Achieving the best out of Techlam Glulam timber:

1.1 Wrapping for Delivery

All Techlam Glulam products are supplied bulk wrapped in protective plastic wrapping. The purpose of wrapping is to ensure that the finished surface is kept clean and dry during transit, and it is recommended that this is kept in place for as long as possible.

1.2 Handling of Techlam Glulam timber

Glulam timber Products must not be dropped, jarred or dragged. Care should be taken to prevent damage to surfaces. Protection must be used against strops, chains or wire ropes when loading, unloading or transporting. We recommend the use of webbing slings to avoid damaging members, and product should be lifted on its edge (as the product would sit in its final position). Use spreaders where applicable on long members and locate slings to ensure a well-balanced load and support. Control the product with guy lines when moving.

Care should be taken not to over-stress Techlam Laminated products during transport and erection.

1.3 Protection of Techlam Glulam timber on site and during construction

It is most important to keep moisture out of finished Techlam Glulam timber products. To ensure that the product is protected during transit or construction, Techlam applies a single coat of water repellent sealer to their products. This provides protection for up to 10 weeks.

Once Techlam Glulam timber products are delivered on site they must be stacked clear of the ground, filleted and covered in such a way that rainwater is deflected and the timber can breathe. Do not stack outside on the ground, do not leave uncovered and do not cover with black plastic.

Patchy discolouration can occur if Techlam Glulam products are partially exposed to sunlight and moisture. Care should be taken to ensure that no moisture is trapped inside the plastic wrapping. Furthermore it is recommended that the timber be protected until a coating is applied to avoid accidental damage during construction.

If the plastic wrapping is to be removed and the timber exposed to the elements for a prolonged period, we recommend the application of an additional protective coating. On site drilling or cutting creates an unprotected surface. When this occurs, the unprotected surface should be coated immediately, to prevent moisture being absorbed into the timber.



1.4 Protecting Techlam Glulam timber once installed

External use of Techlam Glulam timber products:

Techlam Glulam timber is a low maintenance material and does not require any special maintenance as deterioration of the structural integrity of the product is unlikely for the durability period as prescribed by the New Zealand Building Code.

Techlam supplies Glulam timber products treated to H1.2, H3.1, H3.2 and H5. For this level of treatment, a coating is not required but over time the timber will become grey in colour and checking and fine cracking can occur¹. These changes only impact the appearance and have no impact on the structural performance. To prevent these changes we recommend that a coating is applied. This should be applied within 24 hours of receipt of delivery of the product. A light sand and reapplication of the coating is all that is required to maintain the original appearance.

- Dark stains and coatings are not recommended as these attract heat and can cause the timber to dry out excessively, causing splitting, resin bleeding, distortion and cracking.
- Lighter coloured coatings are recommended.

Internal use of Techlam Glulam timber products:

When used in interior situations, Techlam Glulam timber products should be treated the same as for interior timber products. This means that all that is required is a light sand prior to the reapplication of the chosen coating in accordance with the coating supplier's requirements. Frequency of recoating is to be in accordance with the appropriate coating supplier.

¹ For more information on checking and cracking refer to techlam.nz/technical-info





2 Warranty

// Our Commitment to Quality

Techlam is licensed to manufacture Glulam timber products. We are certified by Bureau Veritas who audit our processes tri-annually to ensure that we meet the requirements covered under:

- AS/NZS 1328:1998, Glued Laminated Structural Timber, Licence no:2682.
- AS 5068:2006, Timber Finger Joints in Structural Products, Licence no: 2683.

Techlam outsources the chemical treatment of the timber. This is always undertaken by companies that are third party certified in accordance with NZS3640:2003. In addition to this requirement, Techlam commissions independent testing annually to ensure treatment penetration and retention levels exceed requirements.

This provides the assurance Techlam requires to warrant that our Glulam timber products will meet the durability requirements under the NZ Building Code.

Our production facilities operate under a Quality Management System (TQM). Staff hold a minimum level 3 qualification in Competitive/Lean Manufacturing (CMI). This ensures that Techlam is able to respond quickly and accurately to the demands of the market.

2.1 Our Warranty

Techlam warrant that their Glulam Timber products will continue to meet the provisions of the NZ Building Code for no less than 50 years, provided that all instructions have been followed when:

- Stored on site.
- During installation.
- Once installation is complete.

In particular, Techlam's warranty only applies if all reasonable steps have been taken to prevent the Glulam timber from being exposed to moisture. Techlam also warrants that no moisture will be trapped inside the protective plastic wrapping at point of dispatch.

Techlam warrants that at time of dispatch their Glulam timber products will have been manufactured in accordance with the AS/NZS 1328:1998 and AS 5068-2006.

In the unlikely event you find at time of delivery some of our product is visually defective, then it will be repaired or replaced free of charge. This only applies prior to installation therefore it is important that you inspect the product prior to its installation.



2.2 Exclusions and Limitations

- This warranty does not include any form of special, indirect, incidental or consequential damages including, without limitation, lost profits, emotional, multiple, punitive or exemplary damages. In no event shall Techlam liability exceed the amount Techlam actually received for the provision of the defective materials.
- This warranty is not transferable and is extended only to the original purchaser and for the original installation.
- All warranties expire upon transfer or relocation of the installed product or installation location.
- Statutory rights provided for under law are not affected by this warranty.

structural
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BACK TO MENU
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