

TRULAM

TRULAM Care, Maintenance, Handling & Storage Guide.

Handling & Safety

TRULAM should be lifted on edge to eliminate the possibility of over-stressing the member.

TRULAM should not be dropped, jarred or dragged. Excessive shear forces can stress glue-joints. Care should be taken to prevent damage to the finished surfaces and edges.

Working with timber produces dust particles. Protection of the eyes, nose and mouth when sanding, sawing and planing is highly recommended.

Storage On-Site

Members shall be supported (on edge) with blocking so as to provide adequate support.

TRULAM should be maintained in a dry condition on site and protected from direct exposure to the weather.

Where is TRULAM not recommended?

Do not use TRULAM inground or in contact with soil. Avoid use in non-draining surfaces.

Protection & Maintenance

TRULAM when installed must be protected from direct exposure to the weather (especially sunlight and moisture) by coating with protective oil or sealing or paint.

NOTE: Keeping dry before installation will avoid Tannin bleed which can stain adjacent building materials.

Coating should be done before fixing or immediately after installation. You must re-coat as required to protect against UV light and moisture ingress.

Can I use TRULAM in exposed situations?

TRULAM can be used successfully in weather exposed conditions.

TRULAM is a Durability Class 1 Hardwood and rated as Service Class 3 AS 1328-1995 Resorcinol Glue making it suitable for applications where the equilibrium moisture content of the timber will periodically exceed 20% and the member is fully exposed to the elements.

However where laminated timber members are used in exposed situations it is vital that protective measures are taken to preclude the adverse effects of ultra violet light and moisture ingress to the timber.

Protective Measures

In exposed service situations UV light will break down lignin in the timber which bonds wood fibre together and moisture ingress to the timber will cause dimensional instability and promote fungal decay (rot).

A number of issues must be addressed to limit the adverse effects of ultra violet light and moisture on timber laminated beams.

These are:

- Design Best Practice
- Protective Coatings
- Maintenance

Understanding the TRULAM Label:



TRULAM is proudly distributed by Excel Pacific Australia Pty Ltd.
For wholesale enquiries contact (03) 9793 5554 or sales@excelpacific.com.au

TRULAM

TRULAM™ Engineered GL18 Premium Merbau Beams



Featuring purpose cut material for fewer laminations, TRULAM succeeds in achieving best-in-class strength, longevity and outstanding appearance.

Suitable for outdoor above ground use - this durability class one hardwood timber is not only beautiful - but also built to last.

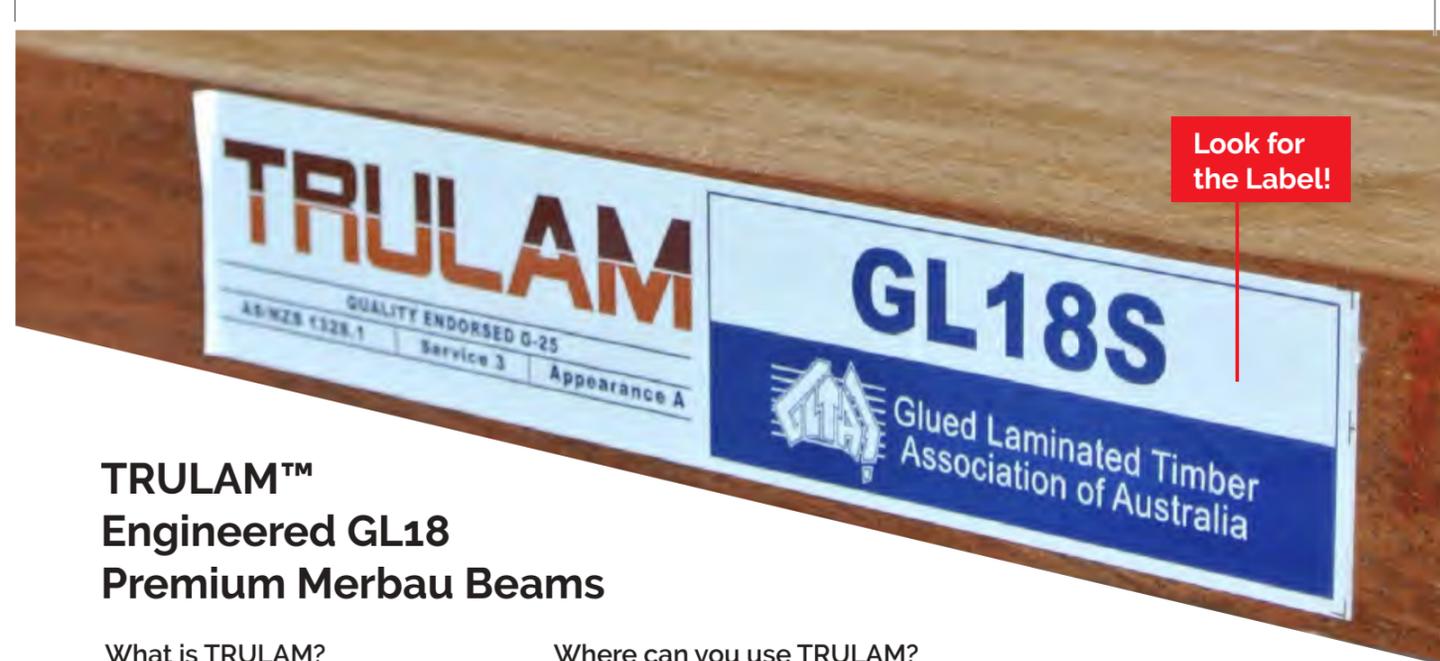
For better projects insist on TRULAM at your local hardware store or visit www.trulam.com.au to learn more.



Uniflex Group (Aust) Pty Ltd is the Australian Importer of TRULAM engineered hardwood products that are manufactured from select grade purpose cut timber where the finished product undergoes testing to ensure the product is of a high standard and meets the required specification. Uniflex Group (Aust) Pty Ltd warrants that the finished product is free of significant defects in manufacture and material. Provided it is handled and maintained according to published instructions it will perform satisfactorily according to the published safe load tables for a minimum of 15 years.

Uniflex Group (Aust) Pty Ltd, 69 Dandenong Street, Dandenong South VIC 3175 ('the Distributor'). The Distributor warrants with the buyer ('the Buyer') the quality of glue laminated timber products ('Products') in accordance with AS/NZS 1328.1 and subject to the following conditions:

- Such warranty shall be to repair or replace any Products or part of Products which have been distributed by the Distributor and which within fifteen (15) years after the date of delivery ('the Warranty Period') be defective either because of faulty manufacturing or workmanship or the use of defective material on the manufacturer's part. This warranty is in addition to other rights and remedies under Australian Consumer Law.
- No liability on the Distributor's part shall arise hereunder unless within fourteen days (14) after discovery of the defect the Buyer submits to the Distributor, written notice including pictures describing and showing the alleged defect and such notice is received by the Distributor within the Warranty Period. A defect in workmanship or material of any part of the Products shall not alone condemn the entire Products installed and the Distributor is only required to repair or replace those parts of the Products that are defective.
- The Distributor shall be entitled by its workmen, servants or agents to enter on the Buyers' premises to inspect the alleged defective Products.
- The cost of the inspection and labour associated with the removal and replacement of any defective Products (including the cost of travel and accommodation) shall be the responsibility of and the expense of the Buyer until it is verified by the Distributor to be a warranty claim at which time these expenses shall be the responsibility of and at the expense of the Distributor.
- Any liability on the Distributor's part shall be conditional on the Products having been handled, stored and installed in accordance with The Glued Laminated Timber Association of Australia ('the GLTAA') by competent experienced trades people and having since the date of delivery/installation been properly used, maintained and serviced in accordance with the GLTAA and properly used for the purpose intended and no repairs, alterations or modifications thereon having been carried out to the Products without the Distributor's prior written consent.
- The warranty shall not cover any defect or damage which may be caused or partly caused by or arise through any or all of the following:
 - Normal wear and tear during the Warranty Period; or
 - Inadequate or improper maintenance or care of the Products; or
 - Products that have been installed in an inappropriate or un-tradesman-like manner or installed by un-tradesman-like installers or persons unskilled and/or unqualified in the installation of the Products; or
 - Natural disasters including but not limited to fire, floods, lightning, earthquakes, hail or cyclones; or
 - Acts of negligence, accidents or misuse, including but not limited to, vandalism, civil disobedience, acts of war, or acts of terrorism; or
 - Acids or harmful chemicals and the like being brought into contact with the Products; or
 - Discolouration or change in appearance of the Products due to natural or extreme conditions including but not limited to ultraviolet damage and other weather exposure; or
 - Failure to properly maintain the Products; or
 - Structural and/or design modifications after installation of the Products without the written approval from a qualified structural engineer); or
 - Additional loads to which the Products are subjected without the written approval from a qualified structural engineer and/or use of the Products not in accordance with the structural design specifications and/or technical support data of the Products as provided by the Distributor; or
 - Long term exposure of the Products to moisture which causes the Equilibrium Moisture Content ('EMC') of the Products or part of the Products to increase over 25% for prolonged periods; or
 - Any departure from and/or use outside of the structural design specifications and/or technical support data of the Products as provided by the Distributor; or
 - Any products or services supplied or provided by a supplier or distributor other than the Distributor; or
 - Any misuse or abuse of structures, fittings or attachments connected to or contained within the structure hosting the Products.
- If the Buyer is a Consumer (as defined by Section 3 of the Competition and Consumer Act 2010) the Products comes with guarantees that cannot be excluded under the Australian Consumer law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the Products repaired or replaced if the Products fail to be of acceptable quality and the failure does not amount to a major failure.
- In the event that the Distributor is liable to the Buyer under this warranty for any warranty so given, the Distributor's liability is limited to repairing or replacing the Products or part of the Products that do not comply with such warranty and in no case shall the Distributor be liable for consequential loss or costs any greater than the price of the Products (or part thereof) that does not comply.
- The decision to repair or replace Products (or part of the Products) under the Warranty is the sole discretion of the Distributor.
- The Buyer does not rely on any representation, warranty or other term made by or on behalf of the Distributor which is not set out in this warranty and the Distributor is not liable for any damage, economic loss or loss of profits whether direct, indirect, general, special or consequential arising out of a breach of an implied or expressed term or suffered as a result of negligence of the distributor or its employers or agents, apart from liability as set out in this warranty.
- The Buyer cannot assign this warranty without the prior written approval of the Distributor.
- All terms which would otherwise be implied are excluded (in the case of any terms that would be implied or incorporated by statute, any such terms are excluded to the extent that they are able to be excluded) except if stated in this warranty.



TRULAM™ Engineered GL18 Premium Merbau Beams

What is TRULAM?

TRULAM is a range of engineered beams made from purpose cut structural merbau timber laminated together to provide increased performance and stability. TRULAM uses fewer joints to maintain the natural beauty of solid timber with all the advantages of improved strength & straightness.

How long will TRULAM last?

Merbau is one of the toughest building materials available. As a Durability Class 1 Hardwood it has a life expectancy of over 40+ Years. In fact, not only are GLULAM timbers stronger than solid timbers - GLULAM is also comparable to steel in strength all while being significantly lighter in weight.

Where can you use TRULAM?

By combining Durability Class 1, Grade A Appearance Hardwood & Service Class 3 Resorcinol Adhesive - TRULAM is designed to excel in visual weather exposed applications such as Beams, Rafters, Bearers, Joists, Lintels, Door Frames, Joinery, Handrails and similar above ground uses.

Note: DO NOT use TRULAM in-ground or in contact with soil or on non-draining surfaces.

Does TRULAM come with a warranty?

Yes - TRULAM has a 15Y Limited Manufacturer's Warranty against defects. For full details + Care & Maintenance instructions please see www.trulam.com.au or ask for a factsheet at your nearest store.

Quality you can see for yourself.



Chasing spans?
www.trulam.com.au
or call (03) 9793 5554

STRESS GRADE	CHARACTERISTIC STRENGTHS (Mpa)				ELASTIC MODULI (Mpa)	
	Bending (f _b)	Tension parallel to grain (f _t)	Shear in beam (f _s)	Compression parallel to grain (f _c)	Short duration average modulus of elasticity parallel to grain (E)	Short duration average modulus of rigidity for beams (G)
GL18	50	25	5.0	50	18500	1230

SIZES AVAILABLE	3.6m	4.2m	4.8m	5.4m	6.0m
	70 x 42				•
90 x 42				•	•
140 x 42	•	•	•	•	•
190 x 42	•	•	•	•	•
240 x 42	•	•	•	•	•
290 x 42	•	•	•	•	•



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