



REGNO GLULAM
MATERIAL SAFETY DATA SHEET (MSDS)

1. GENERAL INFORMATION

Product Name:

REGNO Merbau Glulam

Description:

REGNO GLT Products are manufactured to precision with specially selected Merbau for structural strength, durability and and visual aesthetics.

Merbau (Intsia Bijuga) is an extremely durable and stable timber, and is perfect for use outdoors and in structural components. As Merbau has a high tanin content and will emit a red coloured resin-bleed with initially in contact with water. The product should be clear coated or painted prior to use.

REGNO Merbau Glulam is manufactured to the highest of standards in an intergrated manufacturing facility (Registration number G-22) which is certified by the Glue Laminated Timber Association of Australia (GLTAA). Each component is carefully graded and end jointed to the required length before lamination to achieve the required thickness and width. The resultant product is stronger, straighter, more stable and more resistant.

Applicable AS/NZS Standard:

AS/NZS 1328 - 1&2 1998 (GLULAM Manufacturing Standard)

AS 5068 - 2006 (Timber-FJ In Structural Product)

AS 1720.1 - 1997 (Timber Structures-Design Methods)

Recommended Use:

REGNO Glulam is suitable for use in fully exposed weather conditions known as Service Class 3. This is because it is made from a naturally durable timber - Merbau, using Phenol-Resorcinol Formaldehyde (PRF) which is a highly durable A bond adhesive.

REGNO Merbau Glulam has a high burning point and is suitable for use in bushfire prone areas and fire rated buildings.

REGNO Merbau Glulam is also resistant to termite attack.



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2. REGNO COMPONENTS STRUCTURAL

<u>Contents</u>	<u>Proportion by weight as a %</u>
Sawn Timber (Merbau)	99.50%
Phenol Resorcinol Methanol Formaldehyde PRF	0.50%

2. REGNO HEALTH HAZARD INFORMATION

Regno Glulam is not classified as hazardous.

There is natural resin that will be out from the timber of REGNO Glulam and will not affect health

The important effect to the health is caused by WOOD DUST when doing cutt or predrilling.

Wood dust becomes a potential health problem when the wood particles become airborne.

Breathing these particles may cause allergic respiratory symptoms, mucosal, non-allergic respiratory symptoms, and irritation of the nose, throat, eyes and skin

Effect of Exposure Wood Dust

<u>Exposure Area</u>	<u>Effect</u>
Eye Contact	Eye Irritation, Allergic Contact Dermatitis in sensitized individuals
Skin Absorption	Elicit Allergic Dermatitis
Inhalation	May Cause nasal dryness, irritation, obstruction, coughing, wheezing, and sneezing
Cronic Effect	May cause respiratory sensitization or irritation



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First Aid

<u>Exposure Area</u>	<u>Handling problem</u>
Eye Contact	Flush with flowing water continuously to remove the dust particles
Skin Absorption	Wash with natural soap and water
Inhalation	Move from dusty area
Cronic Effect	Contact health clinic immediately

Fire and Explosion Data

Regno Glulam when manufactured and machined has the distinctive odour base on wood material

<u>Variable</u>	<u>Remarks</u>
Flash Point	Not Applicable
Flammability in Air	Dust come out during machining, sawing, drilling
Explosive Limits in Air	40 Grams/m ³ (LEL)
Special Fire Fighting	Wet down with water and remove burned or wet dust to open area after fire extinguished

Generally Applicable Control Measures

<u>Variable</u>	<u>Immediate Action</u>
Ventilation	To provide adequate general and local exhaust ventilation to maintain healthful working conditions
Safety Equipment	Wear goggles or safety glasses
Clean up Dusty Area	Sweep or Vacuum spills for recovery or disposal Avoid creating dust conditions



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3. SAFE HANDLING AND STORAGE

<u>Variable</u>	<u>Action</u>
Storage	REGNO GLULAM must be storage in accordance with GLTAA technical data
Transport	There are no special handling and transport requirements
Disposal of Off Cut	Off cut of REGNO Glulam must be disposes of in approved landfill sites or burnt in approved furnaces. Wood dust should be cleaned up either by vacuuming or wet sweeping

4. ADDITIONAL INFORMATION

User's Responsibility :

The information contained in this Material Safety Data Sheet is based on the experience of occupational health and safety professionals and comes from sources believed to be accurate or otherwise technically correct.

It is the user'e responsibility to determine if the product is the suitable for its proposed application and to follow necessary safety precautions. The user has the responsibility to make sure that MSDS is the most up to date issue.