

!!! IMPORTANT !!! Read in full as soon as the product arrives on site.

Care and maintenance once on site.

Here at Northlam we take a great deal of pride in producing high quality Glulam timber. We put a lot of care and effort into ensuring that our products arrive to site in the condition that is expected. Your laminated product must be protected from the elements as soon as you receive it. The glulam timber will be supplied dry and will absorb moisture from the surrounding environment. Timber is a product of nature and is prone to movement and checking if exposed to excessive heat, moisture, direct sunlight, or prolonged exposure to the elements. We ask that you adhere to the following guidelines to ensure the best outcome for yourself and your customer(s).

Storage

The best storage plan is to minimize storage altogether. Deliveries can be co-ordinated between the fabricator and the contractor to coincide with erection timelines. If Glulam products must be stored, the following guidelines apply:

Where possible, store glulam under cover to protect the beams from moisture, soiling and sunlight. Fillet stack beams on minimum 150mm lumber blocking on level, well-drained ground. Wrap the beams in white plastic or a white tarpaulin to prevent sweating and discolouration due to sunlight. Ensure there is ventilation under the beams to help with condensation in the pack. Once beams are installed, allow them to gradually season and adjust to the temperature and moisture conditions of the structure. Do not expose glulam members to rapid changes in moisture and temperature, such as may occur from temporary heating units. Such exposure may result in excessive surface checking.

Coatings

The sooner your glulam can be sealed the better, this dramatically reduces the chance of any checking or movement happening, this would ideally happen within 24 hours of receipt to site. All sides, ends and rebates must be sealed. Any posts going into the ground must be fully sealed before they are installed. The dry timber will draw moisture from the concrete like a sponge causing checking issues.

Painted applications:

Where a painted finish is desired, it is recommended that two coats of a high-quality oil-based primer are used. Followed by a minimum two topcoats of a paint system which is compatible with the undercoat. Some undercoats we recommend are:

- Dulux 1 step Oil-based primer,
- Resene Wood Primer-solventborne,
- Cotec True prep multipurpose alkyd primer undercoat.

Stained or oiled applications:

Where you would like to see the natural features of the laminated timber a stain or oil system can be used. It pays to go for a good quality product here, most of the deck/furniture stains tend to sit on the surface. There are a number of good quality products on the market which penetrate deeply into the timber. Some of our recommendations are:

- Drydens wood oil,
- Resene Woodsman wood oil,
- CD50

Northlam recommends the use of light-coloured paints or stains. However, if a dark colour is selected then it must have an LRV of greater than 45%