

## Tropical Hardwood Glulam joist



A wooden deck structure should be as durable as possible. The joists to be used must be as straight as possible and without deformation to ensure quick and easy installation. Because solid wood is not always perfectly straight, we offer naturally durable glued and finger-jointed laminated joists. We use hardwoods such as Bangkirai, Kapur, Merbau and Red Balau.

### Advantage

Much more stable than solid wood - Very little deformation.

Any face can be used, no deformations such as warping  
Saving of raw materials with the use of production offcuts.

Available in large fixed standard lengths, reducing transport and storage costs.

### Disadvantage

Reduced span between support points compared to solid wood (50 cm maximum). Risk of cracking of the glue joint if drilling between two lamellas at a glue point.

Do not use without surface protection against rain and UV (not suitable for use as handrail or furniture part).

It is important to ensure good ventilation and drainage under the deck. Importance of ensuring weather protection during storage. (water and UV). However, these disadvantages do not outweigh the advantages of glued laminated joists over solid wood when installing a wood deck.

### Recommandations

Always store the joists in a dry and weatherproof place.

Storage outdoors can weaken the glue joints.

Never place the joists directly on the ground. Always ensure good drainage of rainwater under the joists (e.g. with rubber spacers or adjustable studs).

Never exceed a span of 50 cm between 2 supports. Mechanical overload can lead to cracking of the adhesive joints.

Ventilation is very important. Air circulation through the deck board spacings is not sufficient. At least 2 cm of space must be maintained around the contour of the deck for air circulation.

If this is not possible, install ventilation grids.

Tip: Use Bitudeck flashing tape to protect the joist from water infiltration into cracks in the wood and glue joints.

### Products range

- 40 x 60mm max span 50 cm
- 42 x 68mm max span 50 cm
- 45 x 70mm max span 50 cm
- 45 x 65mm max span 50 cm