



Another Quality  
Product from Sri Ledang

# Engineered Hardwood Posts (EHP) Beams, Columns and Pergolas

## Hardwood Pergolas to complement your hardwood deck

Constructed only from durable hardwoods (Red Balau), Engineered Hardwood Posts (EHP) are the perfect complement to an outdoor hardwood deck or an outdoor patio. Being an engineered product, EHP is structurally stronger due to its composite construction. More importantly, EHP uses only reconstituted hardwood from legally logged forests, thereby ensuring that it remains a completely renewable resource. As a result, EHP brings about a much lower carbon footprint in comparison to steel or even solid hardwood beams.



- Key Strengths**
- ✓ Structurally stronger
  - ✓ Perfectly straight
  - ✓ Stability of composite structure
  - ✓ Strong "Green" credentials
    - Re-constituted timber
    - Re-newable resource

### OUR MISSION STATEMENT

To supply only Quality wood products, sourced from legally managed forests utilizing best practice management techniques leading to sustainable yield forest management.

• **Timber:** All legally sourced from local forests & composed solely of Red Balau 12% MC kiln-dried.

• **Finishing :** Well machined on a Weinig™ moulder.

• **Lamination & Construction :** Industrial grade B4 class glue bonding; structurally stronger than base material. Constructed in a double-envelope design to enhance structural stability

• **Market served :** Perth, Australia & Adelaide, Australia

• **Installation & care :** See our "Care and installation" brochure which gives guidelines to install and care for your Red Balau Engineered Posts.

### Standard Profiles & Dimensions



• Posts  
120x120mm, 95x95mm

• Beams  
60x120mm, 40x95mm

• Custom sizes upon request

Please direct all your enquiries to :  
Sri Ledang Sdn Bhd -  
Tel : 603-3134-2602 Fax : 603-3134-2604

Email us at : [sledang@pd.jaring.my](mailto:sledang@pd.jaring.my)  
Visit our site at [www.sledang.com](http://www.sledang.com)

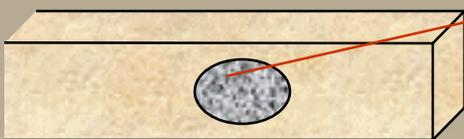


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## Composite Construction for superior strength & durability

A composite construction is far superior to a solid structure. Since the EHP is composed of solid strips that are then bonded together, each beam's strength is then enhanced. In a solid block of timber, the weakest point will tend to be localized in a cross-sectional area due to inherent defects, such as compression failure, brittle heart, etc.



**Solid Lumber -  
Localized weak  
section**

**Our Engineered Hardwood Glulam. Products  
have proven applications when superior  
strength and durability is a requirement.**



**EHP - Manufacturing  
process of EHP  
disperses the weaker  
sections, enhancing  
the entire piece's  
overall strength**



**Fig 1 - Superior Strength of Engineered Posts**

Over time, this localized area will degrade and eventually yield to external forces. A composite structure will not have a localized weak section. Due to its bonding process, stronger sections will "lend" its strength to the adjoining weaker sections, (see figure 1), resulting in a stronger overall composite.



**Fig 2 above - 3500kg concrete railway sleeper slabs stacked on our Engineered Hardwood Timber.**  
**Fig 3 & 4 above - Multiple usage in the field of our Engineered Glulam Timber (Middle-East 2009).**



**Fig 4 & 5 - Engineered Hardwood Posts and Beams. Polycarbonate rooftop; covered application.**



Most solid lumber for pergolas are not kiln-dried. Our EHP however is constructed with 100% kiln-dried timber - a significant improvement since it avoids most of the splits and surface checks that occur over time due to weather acclimatization. EHP should be dark-stained to accentuate its natural warmth and to de-emphasize the color variation / bonding process. We can supply EHP with SADOLIN™ dark-stain oil-based finish.



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## Standard Dimensions, Packing & Shipping Details



### Vertical Posts

- 1) 120mm x 120mm
  - standard lengths of 2.4m, 3.0m and 3.6m
  - standard crate of 25 pieces / crate
- 2) 95mm x 95mm
  - in standard lengths of 2.4m and 3.0m
  - Standard crate of 42 pieces / crate



### Beams & Rafters

- 1) 60mm x 120mm
  - lengths of 2.4m, 3.0m and 3.6m, 4.8m
  - standard crate of 50 pieces / crate
- 2) 40mm x 95mm
  - lengths of 2.4m and 3.0m
  - standard crate of 84 pieces / crate



### Shipping Details

- Each Standard crate packed and tallied
- Shipped via container loads
- Minimum Order Quantity (MOQ) applies



## Trial Pack Introductory Offer

You pay for delivery & we will ship direct to you at 50% consignment. Compare our quality and price. Pay the balance only when you re-order (or 30 days). To qualify :

- Irrevocable Letter of Credit (LC) from an int'l bank (or upfront payment by wire transfer)
- MOQ of mix shipment of 10 crates. Approximately 8m3 of timber or half a 20' container load
- Restrictions apply with delivery-to-door option. We will seek to use internationally recognized shippers and forwarders.