

The logo features the word "HYNE" in white, bold, sans-serif capital letters inside a red diamond shape. To the right of the diamond, the words "LVL" and "E-Beam+" are stacked vertically in a red, sans-serif font.

# HYNE LVL E-Beam+

The high performance alternative to F17 Hardwood



Hyne LVL E-Beam+ engineered beams offer structural properties that are equivalent to or better than hardwood F17 at competitive prices and is engineered to maximise the efficient use of material and time. Because it is engineered, Hyne LVL E-Beam+ performs consistently and reliably and its behaviour is more predictable than traditional timber products. This makes it easier to work with and reduces the builder's exposure to future maintenance problems.

Uniform engineering properties, high strength to weight ratio and availability in long lengths to suit specific jobs, makes Hyne LVL E-Beam+ a preferred choice over alternative building products.

## FEATURES

- Engineered for straightness and consistent performance
- High load bearing capacity
- Available in lengths from 3.6m to 7.2 with longer lengths available as special manufacture up to 12.6m
- Available in full range of section sizes
- Available generally ex-stock
- Competitively priced when compared with F17 hardwood
- High strength yet lighter and safer to handle
- Chamfered edges for safer and more comfortable handling
- Manufactured from 100% plantation pine
- Manufactured by a wholly owned Australian company



## Uniform. High Strength. Dependable.

### TREATMENTS

Hyne LVL E-Beam+ is available in untreated or H2 S treated as specified in AS1604.4

### SIZES

90, 120, 140, 190, 240, 290 x 35mm

90, 120, 140, 190, 240, 290 x 45mm

### LENGTHS

Available in lengths from 3.6m to 7.2m with longer lengths available as special manufacture up to 12.6m

### ADHESIVE

Phenolic – AS 2754.1

### BOND

Type A – AS/NZS 2098.2

### CHARACTERISTIC DESIGN VALUES

Stress grade – F17

Characteristic strength, MPa

Bending (f/b) – 50

Tension parallel to grain (f/t) – 30

Shear in beam (f/s) – 4.3

Compression parallel to grain (f/c) – 40

Characteristic short duration average modulus

of elasticity parallel to the grain, MPa (E) – 14,000

The characteristic design values of Hyne LVL E-Beam+ apply only when the moisture content of the LVL is below 15% in service and are for “on edge” orientation of the LVL section only.

### MULTIPLE HYNE LVL E-BEAM+ SECTIONS

The use of multiple Hyne LVL E-Beam+ sections is permitted using vertically nail laminated members. Multiple Hyne LVL E-Beam+ members are to be nailed laminated in accordance with C1 2.3 of AS1684.2 – 1997. For assistance with the engineering design of multiple Hyne LVL E-Beam+ members please call your Hyne Technical Advisor.

For more info call us on **1300 30 4963**, email [info@hyne.com.au](mailto:info@hyne.com.au) or visit [hyne.com.au](http://hyne.com.au)

