

# Tru-Pine Posts Beams & Boards.

Structural. Engineered. Proven.





# Why choose Tru-Pine?

- ✓ Strong and durable
- ✓ Treated against fungal decay
- ✓ Primed and undercoated
- ✓ Defect free
- ✓ Strict quality control
- ✓ Proven history
- ✓ FSC® certified



Tru-Pine is manufactured from Radiata Pine from New Zealand plantation forests. It is finger jointed and laminated\* (***\*Discontinued until further notice***) for defect free strength and straightness, treated to withstand termites, rot and decay and delivered primed and undercoated. Tru-Pine is a premium

quality timber ideal for outdoor use. Tru-Pine is structurally graded and has a surfaced smooth finish for easy painting. Available in an extensive range of sizes it is the perfect product for pergolas and other outdoor living projects where appearance is paramount.

## Tru-Pine Structural Range

STRUCTURAL BEAMS

<b>GL8 DAR-S4SRC</b> depth 65mm 140x65	<b>GL8 DAR-S4SRC</b> depth 65mm 180x65	<b>GL8 DAR-S4SRC</b> depth 65mm 240x65	<b>GL8 DAR-S4SRC</b> depth 65mm 290x65
<b>GL8 DAR-S4SRC</b> depth 88mm 140x88	<b>GL8 DAR-S4SRC</b> depth 88mm 180x88	<b>GL8 DAR-S4SRC</b> depth 88mm 240x88	<b>GL8 DAR-S4SRC</b> depth 88mm 290x88

STRUCTURAL BOARDS

**DAR-S4SRC** depth - 42mm

POSTS

<b>GL8 DAR-S4SRC</b> 88x63	<b>GL8 DAR-S4SRC</b> 88x88	<b>GL8 DAR-S4SRC</b> 135x135	<b>GL8 DAR-S4SRC</b> 185x185

\*All Tru-Pine GL8 are glue laminated. 230 & 280 Tru-Pine F7 are edge laminated

# Tru-Pine Size, Length & Packet Information

Profile & Spec	Size (mm)	Pcs/Pack Full / Half	Lengths (m)
42mm DAR RND CNRS FJ CLRS H3.1A PP			
Ex 50 x 50	42 x 42	143 / 65	5.4
Ex 75 x 50	66 x 42	88 / 40	5.4
Ex 100 x 50	90 x 42	66 / 30	4.8, 5.4, 6.0
Ex 150 x 50	138 x 42	44 / 20	4.8, 5.4, 6.0
Ex 200 x 50	185 x 42	33 / 15	4.8, 5.4, 6.0
Ex 250 x 50	230 x 42	22 / 10	4.8, 5.4, 6.0
Ex 300 x 50	280 x 42	22 / 10	4.8, 5.4, 6.0
LAMINATED POST H3.1A/H5 PP			
Ex 100 x 100	88 x 88	30 / 18	2.4, 2.7, 3.0, 3.6, 4.8, 5.4, 6.0, 7.2
Ex 125 x 125	112 x 112	16 / 8	2.4, 2.7, 3.0, 3.6, 4.8, 5.4, 6.0, 7.2
Ex 150 x 150	135 x 135	12 / 8	2.4, 2.7, 3.0, 3.6, 4.8, 5.4, 6.0, 7.2
Ex 200 x 200	185 x 185	9 / 9	2.4, 2.7, 3.0, 3.6, 4.8
LAMINATED BEAMS H3.1A PP			
Ex 150 x 75	140 x 65	28 / 16	3.6, 4.2, 4.8, 5.4, 6.0, 7.2
Ex 200 x 75	180 x 65	21 / 12	3.6, 4.2, 4.8, 5.4, 6.0, 7.2
Ex 250 x 75	240 x 65	14 / 8	3.6, 4.2, 4.8, 5.4, 6.0, 7.2
Ex 300 x 75	290 x 65	14 / 8	3.6, 4.2, 4.8, 5.4, 6.0, 7.2
Ex 150 x 100	140 x 88	24 / 12	3.6, 4.2, 4.8, 5.4, 6.0, 7.2
Ex 200 x 100	180 x 88	18 / 9	3.6, 4.2, 4.8, 5.4, 6.0, 7.2
Ex 250 x 100	240 x 88	12 / 6	3.6, 4.2, 4.8, 5.4, 6.0, 7.2
Ex 300 x 100	290 x 88	12 / 6	3.6, 4.2, 4.8, 5.4, 6.0, 7.2



# Tru-Pine Structural Design Values

Tru-Pine GL8 & F7 Structural Grades	Bending	Tension parallel to grain	Shear in beam	Compression parallel to grain	Short modulus of elasticity parallel to end grain	Short duration modulus of rigidity for beams	
Tru-Pine GL8 (MPa)	19	10	3.7	29	8,000	530	Characteristic Strengths
Tru-Pine F7 (MPa)	18	8.9	1.9	13	7,900	530	Elastic Moduli







## Usage

Tru-Pine is a premium exterior grade timber. Designed specifically for outdoor structures such as pergolas. Tru-Pine posts are suitable for in ground use<sup>(1)</sup>. Tru-Pine beams and boards are for above ground use only. Insure a minimum timber clearance of 150mm above finished ground level. Tru-Pine is also ideal for interior structural usage where an aesthetically pleasing high grade paint finished product is required.

## Treatment

Tru-Pine posts have a ground treated option to H5 equivalent.

Tru-Pine boards and beams are treated with an advanced proven organic pressure treatment using LOSP (Light Organic Solvent Preservative), that protects against fungal decay, rot, insect attack (including Formosan termites).

## Fasteners

Use hot dip galvanized nails, screws, bolts and brackets in general locations. For coastal conditions and additional peace of mind type 304 and 316 stainless steel should be used.

## Sealing

During the installation process all exposed unprimed surfaces resulting from cut ends, miters, notching, boring, punched nail holes or similar should be resealed with an endcoat wood preservative and reprimed with two coats of suitable acrylic or oil based premium exterior timber primer. Nail holes, counter sunk bolt recesses and similar should be filled with an appropriate putty or filler to assist with weathering and overall aesthetics. Exterior formulation putties, mastics and sealers should be compatible with alkyd (oil based) paints and solvent type treatment. Contact your sealer supplier for further information.

1. Only Tru-Pine CCA treated posts can be used as ground contact material.

## Painting Specification

1. Reprime any exposed unprimed surfaces (see sealing).
2. Endcoat, spot prime and fill all nail holes and countersunk bolt recesses.
3. Insure primed surfaces are clean and free from contaminants such as grease or mildew.
4. Lightly sand surface where necessary to an even flat finish.
5. Apply a minimum of two full coats of a premium exterior acrylic house paint to the recommended dry film thickness (dft). Total finished paint system should exceed 110 microns Dft.

Tru-Pine boards beams and posts should only be painted when dry and near equilibrium moisture content (MC-16%) as soon as possible after installation. Use a correctly calibrated moisture meter to measure moisture content if unsure. Product dimensions should be checked. If larger than factory stated dimensions it is likely that moisture has been absorbed.

For best painting results it is recommended that the product be allowed to return to original dimensions prior to painting.

Top coats should only be applied in warm dry weather not below 50 F°. If Tru-Pine products have been exposed to the weather for longer than 6 weeks or the pre-primed and undercoated surface is unsound follow steps 1, 2, 3, 4, above and apply two full coats of premium acrylic or oil based premium exterior timber primer.

Use colors that have a Light Reflective Value (LRV) of 45 to 100 (100 being pure white). Colors with an LRV of 44 to 0 (0 being pure black) progressively generate extreme surface heat when exposed to direct sunlight and can cause resin bleed, shrinkage, distortion and cracking. It will also reduce the service life of the paint coatings.

## Maintenance

Basic maintenance is important to keep Tru-Pine products looking their best and to enhance durability. An annual gentle wash to remove contaminants and marine salts is required. Occasionally maintenance painting may be required to repair mechanical or weathering damage.

## Storage

Store the product in a dry environment away from damp ground until use. Kiln-dried radiata pine timber is hygroscopic and will absorb moisture in a damp environment and release it in a dry environment. If timber absorbs moisture, some dimensional swelling will occur. Prepare as in painting specification in this document for best results.

## Health & Safety

Tru-Pine posts, beams and boards are safe to handle using normal timber handling precautions.

## FSC® certified

Tru-Pine products are manufactured from sustainably grown FSC® certified (FSC® C018581) New Zealand plantation Radiata Pine.

## Warranty

Tru-Pine ground treated posts carry a 50 year limited warranty.

Tru-Pine boards and beams come with a 30 year limited warranty against termite attack, rot and fungal decay. Claymark will not warrant product that does not meet the above specifications.