

LAMINATED POST & FENCE SYSTEM



ENGINEERED. STABLE. DURABLE.

GENLAM® LAMINATED POSTS AND FENCING SYSTEM

KLC's GenLam® H4 Laminated Posts are manufactured using quality selected lengths of timber that are finger jointed together, H4 treated with MicroPro® treatment, kiln dried and then laminated together. These posts meet sound structural and compliant standards, making them ideal for applications such as fence posts (in-ground and above ground), pergola posts and playground structures/equipment and playhouses.





GENLAM® GL8 POSTS

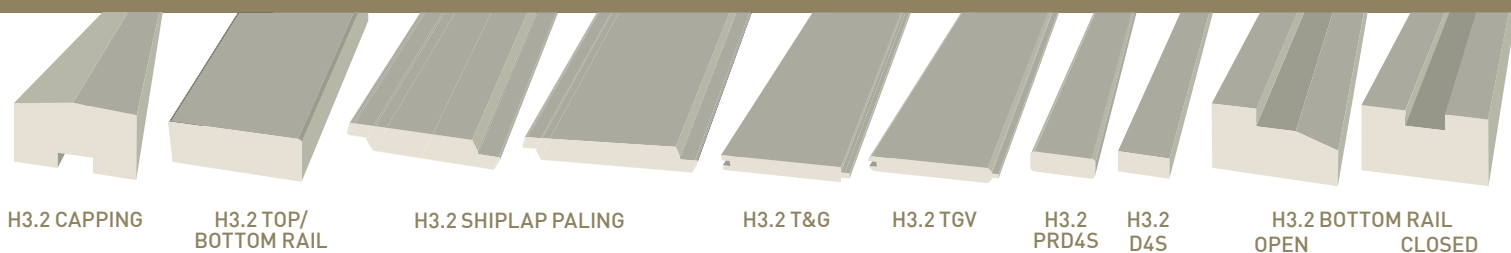
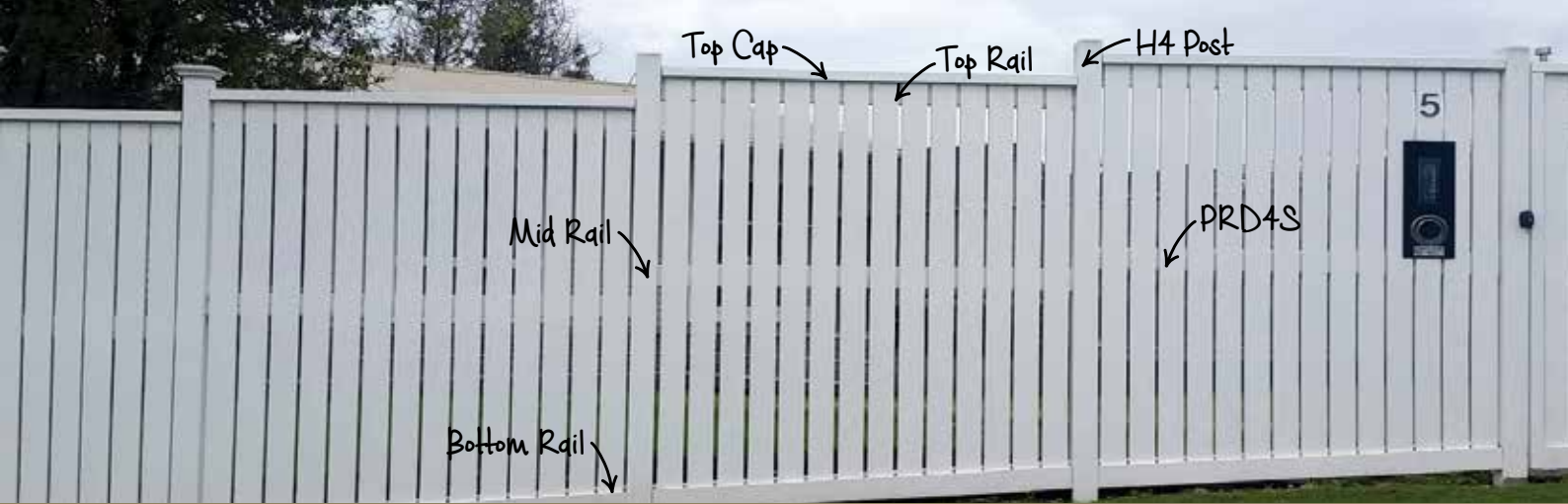
Post Size	MicroPro® Treatment	Lengths
88 x 88	H4	1.8, 2.1, 2.4, 2.7, 3.0, 3.6, 4.2, 4.8, 5.4, 6.0
112 x 112	H4	1.8, 2.4, 2.7, 3.0, 3.6, 4.2, 4.8, 5.4, 6.0
135 x 135	H4	1.8, 2.4, 2.7, 3.0, 3.6, 4.2, 4.8, 5.4, 6.0
180 x 180	H4	1.8, 2.4, 2.7, 3.0, 3.6, 4.2, 4.8, 5.4, 6.0

H4 treatment is suitable for exposure to weather and in-ground use

KEY FEATURES

KLC GenLam® GL8 Posts have a quality finish, are structurally tested for strength and durability and are multi-purpose.

- Less prone to splitting or twisting like solid timber posts
- Suitable for in-ground or above ground use
- GenLam® Posts provide an incredibly strong, durable and visually pleasing option for fence posts, pergolas, playground structures/equipment and playhouses
- The MicroPro® treatment system is a water-borne, copper-based biocide preservative system. Applied to the wood using a high pressure treatment process, achieving full penetration, and is effective against fungal decay, borer and termite attack
- Reduced corrosivity when compared to other alternative treatments, allowing the use of corrosion-resistant fasteners including hot-dipped galvanised, stainless steel or other approved fasteners to meet building code requirements, as well as direct contact with aluminium products
- NZ Radiata Pine sourced from renewable plantation forestry. KLC is a Chain of Custody, FSC® Certified Company. Ask about our KLC range of FSC® Certified Products
- Eco-friendly with four environmental credentials
- Good range of sizes and lengths for those special projects
- from 1.8 to 6.0 long
- Formaldehyde-free and low volatile organic compounds used in the treating and gluing manufacturing process
- No odour
- GenLam® H4 Laminated Posts are finger jointed using a structural grade polyurethane adhesive system
- GenLam® Posts come with a 50 year treatment warranty
- GenLam® Palings are solid not laminated. They are dual coated with a premium exterior alkyd primer system (oil based primer)
- GenLam® H4 Laminated Posts are dressed and dual coated with a premium exterior alkyd primer system (oil-based primer)
- GenLam® Posts must be painted immediately after installation. The topcoat paint colours used must have a Light Reflectance Value (LRV), of 45 or higher
- GenLam® Posts must be installed in accordance with KLC Guidelines available at www.klc.co.nz

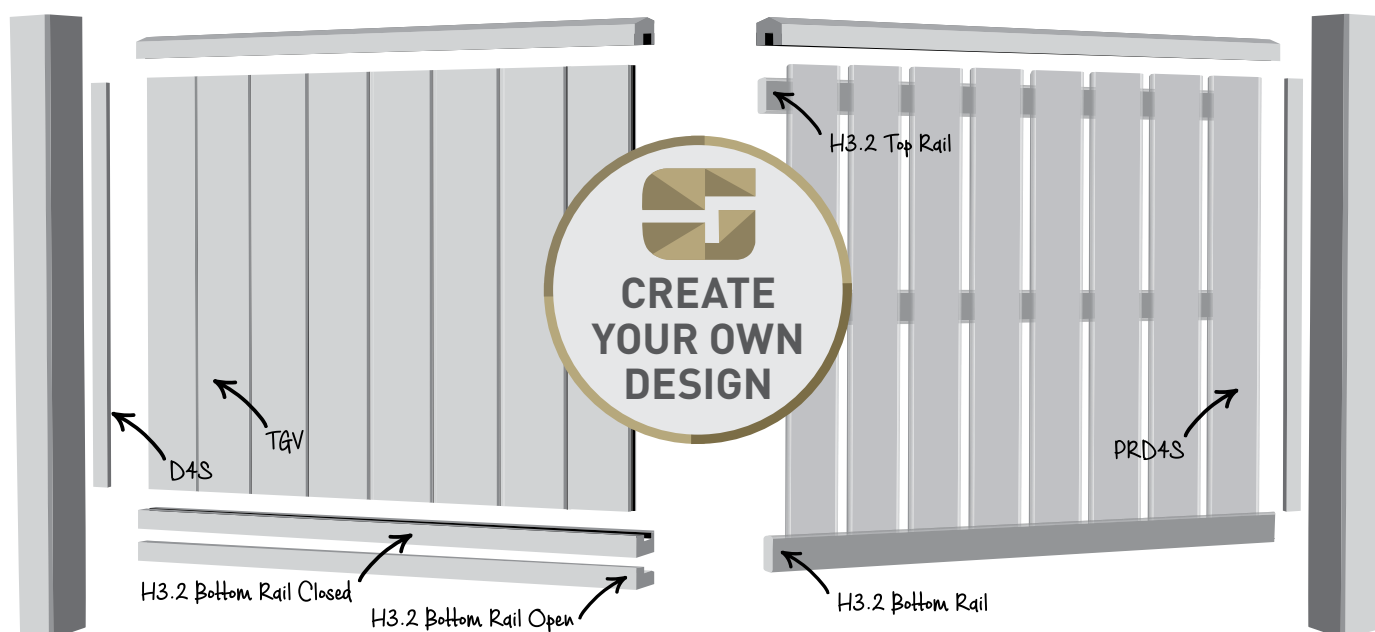


GENLAM® FENCE SYSTEM

Palings	MicroPro® Treatment	Size	Lengths
T&G Paling	H3.2	90 x 18 135 x 18	1.8 1.8, 2.1, 2.4
TGV Paling	H3.2	90 x 18 135 x 18	1.8 1.8, 2.1, 2.4
Shiplap	H3.2	90 x 18 135 x 18	1.8 1.8, 2.1, 2.4
PRD4S Paling (pencil round edge)	H3.2	90 x 18, 135 x 18	1.8, 2.1, 2.4
Top Cap	H3.2	65 x 43	5.4
Bottom Rail Closed	H3.2	90 x 40	5.4
Bottom Rail Open	H3.2	90 x 42	5.4
D4S Bead	H3.2	40 x 18	5.4
Mid Rail	H3.2	90 x 36	5.4
Top/Bottom Rail	H3.2	90 x 42	5.4

GENLAM® FENCE SYSTEM COMPONENTS

GenLam® D4S, palings and bottom rails are interchangeable giving you a high degree of creative flexibility.



PRODUCT HANDLING & INSTALLATION

FASTENERS

Use fasteners, fixings and hardware that comply with the manufacturer's recommendations for their intended use. Suitable fasteners to use with MicroPro® treated products include stainless steel and hot dipped galvanised nails.

Note: In seaspray and geothermal zones ensure all specified fasteners and fixings comply with the environmental exposure.

INSTALLATION

KLC's GenLam® H4 laminated posts must be installed in accordance within our recommendations of use and installation. For an installation guide of a GenLam Fencing System please visit our website: www.klc.co.nz

MANUFACTURING COMPLIANCE

KLC GenLam® posts are manufactured in accordance with the following New Zealand and Australian standards:

- Timber Finger Joints in Structural Products certified to AS 5068 Service Class 3
- Glue Laminated Structural Timber certified to AS/NZS 1328
- Assure Quality Timber Treatment Programme. MicroPro® is an approved treatment meeting compliance with APVMA, AS/

NZS 1604 Series, NZS 3640 and NZ EPA

STORAGE AND HANDLING

GenLam® H4 Laminated Posts must be kept dry and protected from excessive heat, direct sunlight and prolonged exposure to the elements prior to installation and painting. This will protect your product.

- All cuts, rebates, bore holes, and notches must be given two liberal coats of a suitable brush-on timber preservative. Then re-painted with two primer coatings to prevent swelling and shrinkage
- If using GenLam® H4 laminated posts in coastal sea spray or geothermal zones, it is the installer's responsibility to ensure all specified fastenings, fittings are suitable

PAINTING



Apply two coats of premium exterior grade top coat. Top coat colours should have a Light Reflective Value (LRV) of 45 or higher. Dark colours can encourage resin bleed and distortion leading to cracking and premature paint failure. Paint must be applied as per the manufacturer's recommendations.

THE TIMBER TREATMENT



Koppers MicroPro® Wood Treatment Technology

The MicroPro® Micronized Copper Azole (MCA) based preservative system protects wood products from insects, termites and fungal decay and is manufactured by Koppers Performance Chemicals. The preservative contains a mixture of micronised copper carbonate (copper) and tebuconazole (azole). The MicroPro® treatment system is a water-borne, copper-based biocide preservative system with four Environmental Certifications.



1. Scientific Certification Systems

MicroPro® is the first treated wood process to be EPP (Environmentally Preferable Product) certified by Scientific Certification Systems based on a life cycle assessment. As the leader in green building product certification since 1990, SCS was the first company to offer manufacturers a program for verifying the accuracy of environmental claims on products.



2. Greenguard® Environmental Institute

MicroPro® is environmentally sustainable, this is demonstrated in low leaching of treatment preservatives from the timber, low volatile organic compound (VOCs) emissions and the award of the GREENGUARD Children and Schools' Certification from the Greenguard® Environmental Institute.



3. Global GreenTag International - GreenRate™

MicroPro® Wood Treatment Technology has received a Global GreenTag GreenRate™ Level A award under Version 4.0 of the Global GreenTag International Product Certification Standard. It is the highest level achievement for a product under Global GreenTag's GreenRate™ product rating system – declared by the certification body as 'Fit-for-Purpose' and confirmed for Green Building compliance.



4. Global GreenTag International - Health Declaration

The GreenTag™ Product Health Declaration proves that Koppers MicroPro® Wood Treatment Technology is safe for human health (and ecosystems) and can be used with absolute peace of mind in workplace and residential building projects. Reducing risks for Building, Design and Procurement Professionals whilst supporting the user and occupant's health and wellbeing compared to products that don't.

THE PAINT

PPG 839 Enduraprime is a high quality alkyd (oil) based primer formulated as a wood primer, pre acrylic (water based) or alkyd (oil based) top coat applications. This primer has an established reputation as a proven performer as a base coat product and has been sold in this market for over 35 years.

COMPANY PROFILE



KLC Limited is a privately owned company that was established in 1997, and is based in Kaingaroa. From that time, the company has developed from a custom kiln drying operation to a full timber re-manufacturing facility and timber treatment operation. The timber used is 100% New Zealand Radiata Pine sourced from renewable, plantation forestry. KLC is a Chain of Custody, FSC® Certified Company. Ask about our KLC range of FSC® Certified Products.



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www.klc.co.nz

KLC LTD

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