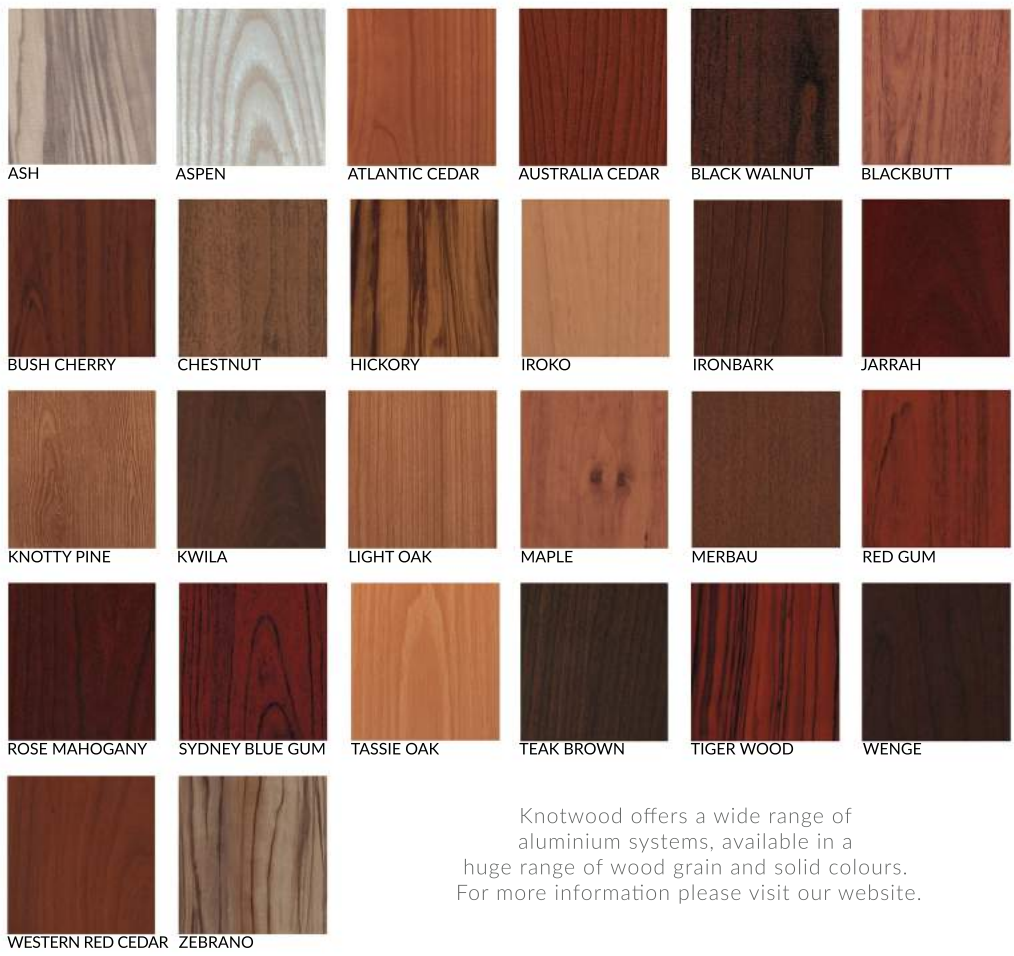


**Knotwood Colours**

All Knotwood colours have been tested to withstand the most extreme environments providing a durable alternative to timber.



Knotwood offers a wide range of aluminium systems, available in a huge range of wood grain and solid colours. For more information please visit our website.

Fencing | Gates | Privacy Screens | Decking | Cladding | Battens | Shutters  
Balustrades | Soffits and Fascia infills | Urban Furniture

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# KNOT WOOD

IT'S NOT WOOD - IT'S ALUMINIUM

## FENCING & PRIVACY SCREENS



# Knotwood Fencing

Knotwood aluminium fencing uses a patented concealed fastening system which hides unsightly screws and rivets, no welding is required and is easy-to-install. Our aluminium fences offer the latest styles with the ability to install the aluminium slats vertical, horizontal or diagonal, use any size spacing between fence slats and the ability to install the slats on an angle to create a louvre style. Knotwood aluminium fences are durable with a tough texture coating, long lasting with a 15 year warranty and low maintenance. Our unique range of accessories are colour matched to give you a seamless uniform finish.

## Benefits

- Non-toxic
- Non polluting
- 100% recyclable
- Low carbon footprint
- No VOC emissions
- Low maintenance
- Marine grade aluminium
- LEED Credits
- 15 Year Warranty
- AAMA 2604/2605 Certified

## Features

- Systems engineered for cyclones / hurricanes
- Concealed fastenings systems to hides rivets and screws
- Tough Knotwood powder coat finish
- Unlimited designs
- DIY assembly for easy installation
- Colour matched accessories
- Matching hardware range

## Applications

- Fencing
- Garbage Surrounds
- Pool Pump Surrounds
- Privacy Screens
- Air Conditioner Surrounds
- Balustrade screening
- Carport & Garage Screening
- Commercial Screening
- Gables & Decorative Screens
- Patio & Deck Screening
- Amenities Screening
- Window Screens



## Popular Styles



# What is Knotwood?

Knotwood provides the beauty and natural warmth of wood with the durability and ease of aluminium. Knotwood has created many innovative aluminium systems finished in a durable powder coat. All our aluminium systems are available in wood grain and solid powder coat colours. Our systems have been created for simple installation, minimal maintenance and superior aesthetics. The Knotwood range includes fences, privacy screens, gates, decking, shutters, balustrades, cladding, battens, garage doors and more.

## Producing Knotwood

Knotwood aluminium with the look of wood involves a process called sublimation.



### Preparation and coating

The raw aluminium surface undergoes a conventional pre-treatment of chemical changes, forming thin layers of amorphous oxide covered with coating.

The next stage of the powder coating process involves the use of electrostatic guns to make an 80-120µ (microns) powder paint layer.

Polymerization happens afterwards by heating the profiles to 220° celsius for 30 minutes. The base coat applied is very durable and scratch resistnat , protecting the aluminium from external factors such as abrasion, corrosion, weather, humidity and UV damage.

### Decorating the aluminium

The final stage is decorating the powder coated aluminium. The Knotwood wood grain film needs to cover the entire aluminium profile, the profile is then set on the conveyor system. we then use a vacuum suction system to remove the air from the film bags.

The conveyor will insert the aluminium profile into an oven to make changes to the ink pigements, which will be converted from a solid to a gas then back to a solid again resulting in a perfect thermo print. Knotwood ships with the film intact for better transport.

