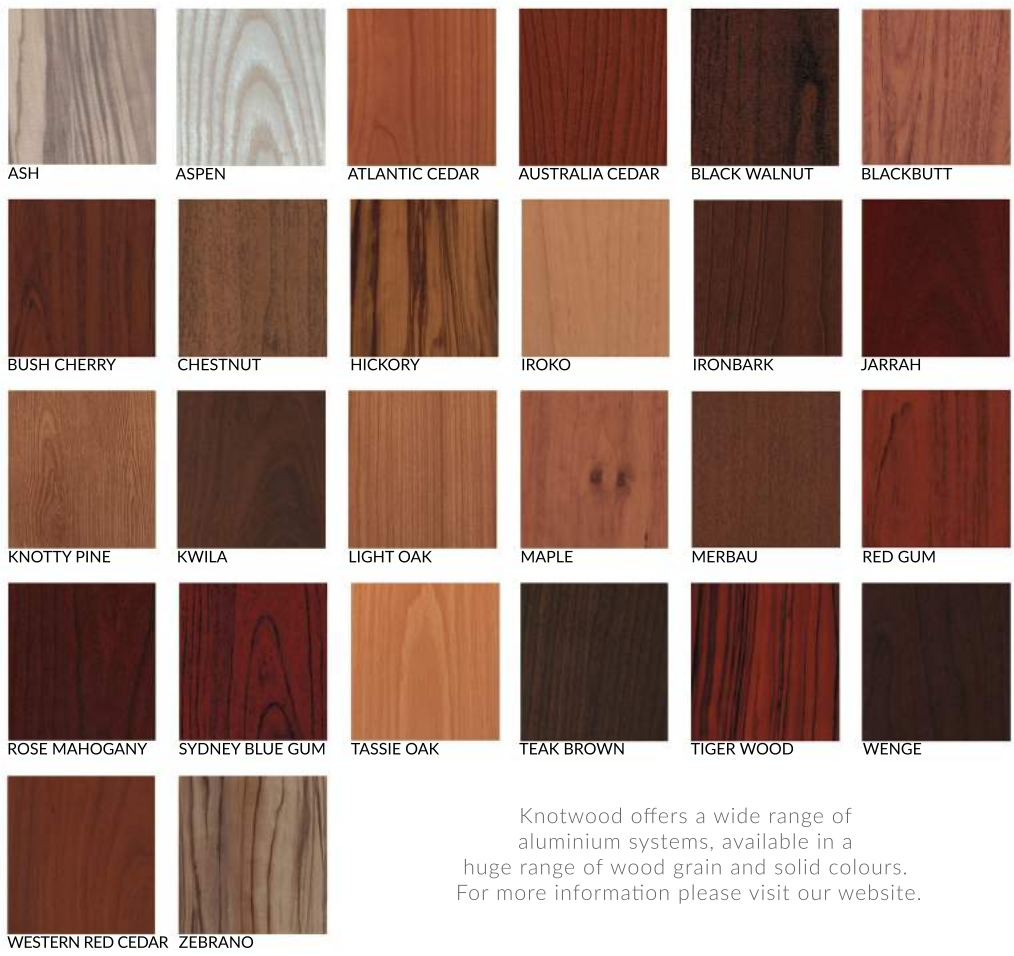


**Knotwood Colours**

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

## DECKING



# Knotwood Decking

Knotwood aluminium decking is an innovative waterproof design\*. It will not warp, splinter, crack, rot or swell like timber or composite decks and is designed for easy installation so home owners have the choice of building the deck themselves or getting a builder to do the job.

Knotwood aluminium decking is low maintenance outside of periodic cleaning with soap and water, no need for constant upkeep of paint, stain and oil. The decking surface is slip resistant for safety and security, durable with a tough texture coating and long lasting.

Knotwood aluminium decking is cool to touch, aluminium has high thermal conductivity and rapidly dissipates heat, creating a cooler surface than most traditional decking materials. Your home will become so much more versatile by creating entertainment zones with our decking. Knotwood decking not only creates a beautifully finished and gapless deck but when installed on a 2nd or 3rd level deck, the area underneath is instantly transformed into a dry outdoor patio, carport or storage.

Our unique range of accessories are colour matched to give you a seamless uniform finish.

\*Up to length of board.

## Benefits

- Non-toxic
- Non polluting
- 100% recyclable
- Low carbon footprint
- No VOC emissions
- Low maintenance
- Marine grade aluminium
- 15 Year Warranty

## Features

- Marine grade aluminium.
- Durable & long lasting.
- Low maintenance.
- Quick & easy to install.
- Cost effective.
- Lightweight but strong.
- Every board is consistent in size & shape.
- Safe & barefoot friendly.
- Will not crack, rot, split or grow mould & mildew.
- Versatile – suitable for indoor & outdoor applications.
- Termite, water & UV resistant.
- Fire resistant
- Slip resistant

## Applications

- Balconies
- Schools, Colleges & Universities
- Holiday Parks
- Leisure Centres
- Marinas
- Coastal & Lakeside Boardwalks
- Pool Surrounds
- Garden Decking



# 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 resistant, 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 pigments, 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.

