

# AKD Outdoor framing.



[akd.com.au](http://akd.com.au)



## Introducing Endura – AKD's Outdoor Framing Timber

Outdoor structural timber for the 21st century, **AKD Endura®** is a range of treated outdoor timber products particularly designed for today's discerning and demanding building industry.

With the built-in protection of a safe, modern wood preservative system, AKD Endura is a superior option when termite and decay resistant outdoor timber is required.

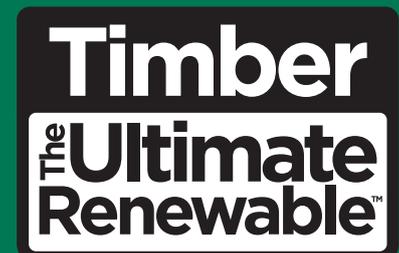
Sourced from sustainable Australian plantation pine forests, AKD Endura is Australian Made & Grown.

- Protected against termites and decay by a safe modern wood preservative.
- Manufactured in state-of-the-art environmentally compliant facilities in accordance with Australian Standards.
- AKD's own treatment process to protect against structural failure due to termites and fungal decay.
- Treated with a modern light organic solvent preservative, Endura meets the requirements for seasoned timber, and it is lightweight, dimensionally stable and easy to work with.

The AKD timber treatment processes are reliable and proven to extend the life and durability of timber against fungal decay and insect attack.

Now available in low odour and DAR (Dressed All Round) finish for easy maintenance and superior project finish; Machine Graded MGP10 with visual override for quality appearance.

Not all outdoor structural timber is the same. If it is performance and good looks you are after, then you can't go past AKD Endura Structural Outdoor range. Sustainably grown and made in Australia, Endura is perfect for your next outdoor structure or supporting your outdoor living room.





*AKD Endura is the structural joists and bearers timber platform that holds up Aussie decks*

## Suitable applications

AKD Endura is treated to H3 level as per Australian and New Zealand Standard AS/NZS 1604.1 which is for use outside and above ground. Typical examples are decks, pergolas, cladding and general exterior construction above ground.

## Typical End Uses

Outdoor above ground applications:

- Beams
- Decking Substructure
- Bearers
- Pergolas
- Joists
- Steps
- Rafters
- Risers
- Posts
- Outdoor Seating
- Rails
- Outdoor Furniture
- Capping

**Now available in low odour formulation – all the comfort of a proven & preferred treatment without a strong smell!**

## Features

- Durable outdoor timber incorporating new generation treatments compliant with the latest government regulations for use as domestic decking and other applications where direct human skin contact may occur.
- Added insurance provided to the specifier, builder and home owner as the integrity of the structure will have better protection against termite attack or decay.
- Timber is treated to H3 standard (outdoor above ground applications) and is compliant with AS/NZS 1604 series - preservative treated wood based products.
- The Preservative system does not affect moisture content, producing a dry and dimensionally stable product.
- Distinct green in colour to help differentiate it from other products.





## Size ranges and availability

Our regular range includes the following (mm):

70 x 35	70 x 45	240 x 45
90 x 35	90 x 45	290 x 45
120 x 35	120 x 45	
140 x 35	140 x 45	
190 x 35	190 x 45	

Other sizes and lengths may be available on request.

## Specification

**Grades Available:** F5  
F7  
MGP10

**Finishes Available:** DAR (Dressed All Round)

**Treatment Levels Available:** H3

## Installation and Use Requirements

1. Use good building practices in compliance with the National Construction Code, local requirements and manufacturers recommendations as applicable.
2. Ensure that timber products selected are of the correct sizes and structural capacity for the proposed applications. Consult your builder or supplier if in doubt.
3. AKD Endura must NOT be installed in ground contact or in contact with masonry below the damp course. It must be installed at least 150 mm above finished ground level.
4. Ensure posts, joists and stringers are mounted correctly on timber mounting stirrups or brackets. A higher-level treatment (minimum H4) is required for inground applications.
5. Do not modify the width or thickness of the product, except where required for installation, such as end cuts, pointing, notches and drilling. All cuts, rebates, drill holes and notches in treated timber must be thoroughly resealed with a registered supplementary "end seal" treatment or suitable timber protective.

## Nails & fixings

The treatment used in AKD Endura is non-corrosive to steel and common metals. However, for all exterior timber work where exposure to moisture and weather is expected, corrosion resistant fixings appropriate to the corrosion risk of the location and application should be used.



## Painting instructions

Always follow the paint manufacturer's instructions

- Due to the nature of the treatment system, it is essential that AKD Endura is left to weather in the open or in a well aired end use situation for at least seven days before painting.
- AKD Endura can remain unpainted for applications where a more rustic weathered appearance is desired, some checking or cracking of the wood surface may be expected.
- AKD Endura H3 is most suitable for painting with penetrating, oil based semi-transparent or clear wood stains. This will provide a natural timber appearance that will weather well and be easy to maintain in future. With clear or non-pigmented timber oils and water repellents, AKD Endura will weather to a grey colour in time depending on the degree of direct exposure and weathering. The inherent green colour from the treatment may have some effect on the colour of semi-transparent wood stains.

## Painting Guidelines

Clear or semi-transparent water-based timber stains	Semi-transparent water based timber stains can be used providing the appropriate surface preparation and clean is followed. For example, using a timber prep product followed by a deck clean prior to coating. Apply 2 or 3 coats as per manufacturer's instructions. A third coat will give extra protection and is recommended in harsh conditions such as full sun exposure, around pools and in humid areas.
Clear, penetrating exterior timber oils or water repellents	Follow paint manufacturers recommended surface preparation and clean prior to coating. Apply 2 or 3 coats as per manufacturer's instructions. Routine 6 monthly inspections are recommended to ensure timber is still protected from water.
Semi-transparent or opaque oil-based penetrating exterior timber stains	Follow paint manufacturers recommended surface preparation and clean prior to coating. Apply 2 or 3 coats as per manufacturer's instructions.
Exterior clear or semi-transparent gloss or varnish	Not recommended.
Exterior acrylic paint	Outdoor building has its own colour fashions and the painting colour is a major ingredient to this. Light paints are fashionable and white or light colour acrylics are fine to use. Again, follow paint manufacturers recommended surface preparation and clean prior to coating.
Exterior gloss enamel	Not recommended.



## Protection against termites & decay

The active ingredients in the treatment system for AKD Endura are a synthetic pyrethroid insecticide, permethrin, and organic azole fungicides, Tebuconazole and Propiconazole. These materials have been thoroughly tested in Australian conditions and are fully approved under Australian Standards.

## Disposal

Domestic and trade users should dispose of offcuts and redundant pieces through normal waste collection services as residential or construction and demolition waste. Do not use for composting, mulching or animal bedding.

Do not burn as a means of disposal.

Contact your council to find out about the particular waste disposal and recycling services provided in your area.

## Preservative Labelling of AKD Endura

Preservative treatment of Endura may be identified through product branding or end tags



For any product technical enquiries email [akd.productsupport@akd.com.au](mailto:akd.productsupport@akd.com.au)

## Safe handling instructions

The preservative used in AKD Endura is approved by the federal government regulator for use around people including children, pets, animals and plants. However, handling and working with any material, particularly where airborne dusts are generated, may present some hazards. The following safe handling and personal hygiene measures are recommended.

- Keep the work area clean. Do not allow wood dust to accumulate.
- Avoid inhaling wood dust and wear a minimum P2 filter mask while power sawing, machining, sanding or any operation where wood dust is generated.
- Protect the eyes while using power tools or any work where small particles may be ejected.
- Brush or wash sawdust off skin and clothes.
- Wash hands after work and before eating, drinking or smoking.
- Wash wood dust contaminated work clothing and safety equipment before reuse.
- DO NOT BURN treated timber off-cuts or waste pieces.



Do not use treated pine shavings or sawdust for animal litter



Always wear dust masks, ear protection and goggles



Do not use treated pine to cook food



Always wear gloves when working with timber



Do not burn treated pine



Wash work clothes separately



Do not allow treated pine to come in contact with drinking water



Dispose of waste in an approved landfill



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