



**SUTHERLAND  
TIMBER**

**INFORMATION SHEET**  
**Tanalised® H5 CCA Treated**  
**Wood Products**



## **Commitment**

Sutherland Timber is committed to supplying robust, high quality H5 treated wood products in compliance with New Zealand Standards for use in common building, landscaping, fencing and rural applications.

## **Tanalised® CCA**

CCA stands for copper chromium arsenate which has been in use in New Zealand for over 50 years and has a proven record of safety and performance when used as recommended. Tanalised® is the best known and trusted name for wood treatment and means that the treated wood products are highly resistant to decay and insects for decades.

## **Hazard Class H5**

For wood products used in ground contact for critical or structural applications H5 treatment is required. Typical examples house piles, deck piers, engineered retaining walls and for timber piers in permanent fresh water contact.

## **New Zealand Product Specification**

New Zealand Radiata pine sawn timber sections treated with Tanalith® CCA Oxide wood preservative as per NZS3640 Section 6.5;

- Preservative retention minimum of 0.95% m/m CCA total active elements.
- Preservative penetration – complete sapwood penetration and generally 30mm from any surface. Unpenetrated heartwood is allowable if it comprises less than 20% of the cross section of the piece. See NZS3640 section 6.5 for full details.

Sutherland Timber H5 treated timber is supplied rough sawn and wet (>24% moisture content).

## **Product Selection**

Where ever possible the treated wood products should be used in their standard form as supplied. If subsequent cutting to length, rebates or bolt holes are formed the freshly exposed surfaces should have an in-can remedial preservative applied such as Enseal Green. Do not put a cut face in ground contact. In no circumstances should Sutherland Timber treated wood products be rip sawn or re-manufactured from their original dimensions. Consult a design guide, your territorial authority or Sutherland Timber for further information on correct specification for and use of H5 level treated timber.

## Approved Production Plant

Sutherland Timber operates a comprehensive wood processing and treatment operation in compliance with relevant industrial consents and approvals. We are an approved NZ Timber Preservation Council (Woodmark) audited producer (number 356).

## Product Warranty

Sutherland Timber provides a 50 year limited guarantee on our H5 CCA treated Radiata pine. Contact Sutherland Timber for further details.

## Typical End Uses

Sutherland Timber H5 CCA treated wood products are ideal for critical or high hazard residential and other building applications involving ground contact of structural members.

- House piles and deck support piers.
- Engineered retaining walls.
- Support posts in certain high hazard horticultural situations.
- Jetty piers and bracing (fresh water contact only).

## Benefits of Sutherland Timber H5 CCA Treated Wood Products

- Long lasting and robust in New Zealand conditions which are known to be severe for decay and rot.

- Natural appearance ideal for outdoor use.
- Easy to work with and low maintenance.
- Suitable to use around children, pets and animals.
- Manufactured from a renewable resource.

## Fasteners and Fixings

All metal fasteners and fixings used with H5 treated wood must be hot dipped galvanised steel as a minimum. For items that will be difficult to maintain or replace, or where additional corrosion can be expected such as with proximity to the sea, stainless steel (AISI 304 or type 316) is recommended. Do not use aluminium in contact with CCA treated wood.

## Safety and Handling

Avoid breathing wood dust when machining or sawing treated wood. Wear a filter mask if necessary. Protect eyes from flying particles when using high speed tools. Wash wood dust off hands and clothes and wash hands after handling the products and before eating or drinking.

## Waste Disposal

Do not burn treated wood wastes or off-cuts. Burning treated wood may produce toxic fumes and residues. Redundant pieces and wood waste should be disposed through normal waste collection and disposal services.



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