

DENDRO

Clear

BY SOUTHERN PINE



PRODUCT WARRANTY

DENDRO Clear H3 is Southern Pine's premium architectural range of H3.2 equivalent, solid, clear weatherboards. Manufactured from high-quality, pruned New Zealand Radiata Pine and factory-finished with WOCA/NORTHTREAT stains.

Southern Pine Products Ltd warrants to replace and/or compensate for defective or substantial product failure subject to the claimant providing:

- Proof that the product was manufactured or supplied by Southern Pine Products and has failed or is substantially unfit for purpose.
- Timely written notification of the failure (within 30 days of the fault becoming apparent).
- Evidence that the product has been stored, installed, and maintained in accordance with Southern Pine Products technical instructions, including the mandatory use of cavity fixing and approved stain maintenance (as per SPP website and brochures).

Warranty is limited to replacement of product or cost value of product at SPP sole discretion and does not extend to any labour or consequential damage caused to other product. Such replacement will be considered full and final compensation.

Cladding and exterior products must be installed by a qualified builder (LBP).

H3 Treated DENDRO Clear 25 Year Limited Product Warranty

Inclusions:

- Southern Pine DENDRO products
- Product delamination, splitting or breaking not for reasons excluded below
- Product decay or rot
- Gross manufacturing defects
- Incorrect profiling other than minor variations

Exclusions:

- Evidence that the product has not been correctly stored, installed or maintained. For example, product wet due to incorrect storage, incorrect fixing of weatherboards, (e.g. failure to use the mandatory Cavity Fix system for this range), failing to properly seal cut ends, or failure to apply maintenance coatings in a timely manner.
- Extreme climate areas where regular maintenance has not been carried out such as coastal zones which may require regular washing, or high UV zones which may require more frequent re-staining.
- Inappropriate product use that is not consistent with best practise. For example, H3 treated product placed in contact with the ground.
- Use of unapproved or dark stain colours with a Light Reflectance Value (LRV) of less than 45%, which can cause excessive movement or resin bleed.
- Product impacted by natural disasters.
- Damage after purchase or delivery.
- Fair wear and tear with regard to product's age and conditions of use.

DENDRO Clear H3 (H3.2 Equivalent) Data Sheet

Product Range: Premium Pre-Stained External Cladding System

Manufacturer: Southern Pine Products (SPP)

DENDRO Clear H3 is a range of solid timber cladding products manufactured from high-quality, pruned New Zealand Radiata Pine. This range is specifically treated with a water-borne azole system verified as H3 hazard class (AS/NZS 1604.1:2021) and is engineered for use as an H3.2 equivalent in architectural, unpainted applications.

1. GRADE AND FINISH

DENDRO Clear is available in Premium Clear 2 and better. It is sourced from pruned logs, clear on three faces (consistent with No.1 Clears), with minor natural defects allowed on the reverse face only.

Surface: This range is available in Bandsawn or Dressed (pre-sanded) Face to maximise stain penetration and coating longevity.

Pre-Finish: All boards are factory-coated with a WOCA/NORTHTREAT base coat stain.

2. HANDLING

Unload products by hand or with a Hiab forklift; do not tip from a truck. Always carry individual boards with long sections upright to avoid excessive bending and protect the pre-finished face from scratching.

3. STORAGE

Products must remain dry at all times prior to installation. Store indoors on a flat surface with gluts at 1m centres, at least 150mm off the ground. If stored outside, use a groundsheet and a secondary waterproof cover while allowing for air circulation. Avoid direct sunlight.

4. ACCLIMATISATION

Cladding moisture content must be between 10% – 16% at the time of installation. Allow approximately 3–5 days for the boards to acclimatise to the specific site environment before fixing.

5. DIMENSIONAL CHANGE & MOVEMENT

Timber is hygroscopic and will expand or contract until it reaches Equilibrium Moisture Content (EMC).

Laps: Board laps are designed to accommodate this natural thermal and moisture movement.

Prohibition: DO NOT use sealants or glues between board laps, as this inhibits movement and can lead to product failure.

6. COATINGS (PRIOR TO INSTALLATION)

Laplines: To avoid visible laplines from seasonal movement, pre-stain the overlap of the profiles in the same colour as the finish coat.

End Seals: MANDATORY. All cut ends must be sealed with two coats of approved stain during the installation process to prevent moisture uptake.

7. INSTALLATION & COMPLIANCE

Installation must comply with the current NZ Building Code and BRANZ recommended practices.

Fixing Method: STRICTLY CAVITY FIXED. No direct-fix option is permitted for the DENDRO Clear H3 range.

Fasteners: Use 304/316 Stainless Steel Rose Head nails (or silicon bronze). Galvanised fixings are not permitted for use with stained cladding.

Fixing Detail: Single-fix profiles per E2/AS1 Table 24. Rose Head nails must sit flush with the face of the board (do not punch). Refer to SPP technical drawings for specific nail positions.

Clearances: Ensure installed weatherboards are at least 150mm from the ground and 100mm from decks/terraces.

Identification: All lengths feature Yellow Tagging for site compliance verification.

8. COLOUR CHOICE

Only approved stain colours with a Light Reflectance Value (LRV) of 45% or greater may be used. Dark colours absorb excessive heat, causing distortion, movement, and potentially accelerating resin bleed.

9. MAINTENANCE AND CARE

Annual maintenance is the responsibility of the homeowner and is a condition of the 25-year warranty.

Washing: Wash surfaces annually with a low-pressure system to remove contaminants. DO NOT use high-pressure water blasters.

Cleaning: Use a soft brush and an approved WOCA/NORTHTREAT cleaning agent for stubborn dirt.

Re-coating: Inspect the coating every few months. Re-coat before the stain film breaks down (cracks or flakes). While the Bandsawn face is designed to hold a heavier volume of stain, our Dressed profiles—when factory pre-sanded—provide a high-performance alternative for a smooth architectural finish without compromising stain absorption.

Environmental Factors: Coastal zones or high-UV areas may require more frequent washing (every 3–6 months) and earlier re-coating.

10. STAIN PERFORMANCE (BRANZ GUIDE)

As per the Good Practice Guide for Timber Cladding:

Clear finishes and stains only slow the weathering process; they do not stop it.

The more pigment a stain contains, the greater the UV protection.

The WOCA penetrating stain system is designed to soak deep into the timber fibres—rather than forming a brittle surface film—making it ideal for both the Bandsawn texture and our Dressed (factory pre-sanded) profiles. While the bandsawn face naturally holds a higher volume of stain, the mandatory pre-sanding of our dressed product ensures equivalent absorption and performance for a smoother architectural finish.