

DENDRO

H3.2 SOLID WOOD FASCIA AND WEATHERBOARD





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From dendrochronology – the study of tree rings.

Tree rings represent the core and strength of a tree, revealing its story.

The Dendro range is:

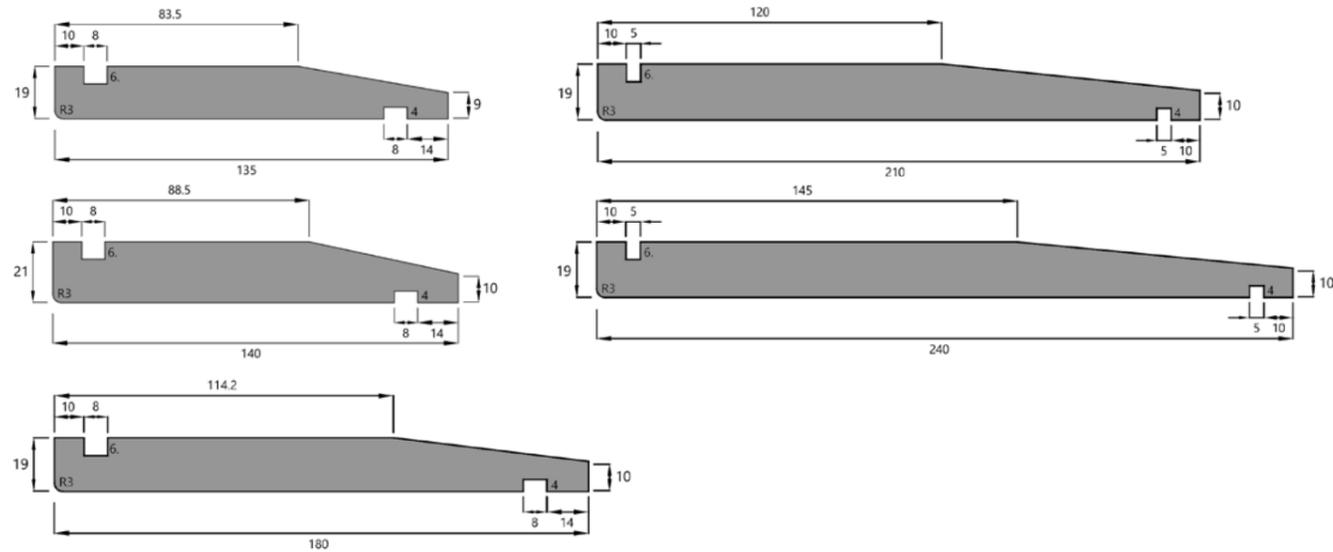
- 100% New Zealand grown Radiata Pine
- Mature trees at about 30 years of age when cut in the forest
- Using the clear outside wood of the pruned log
- Sawn then dried in slow conditioning kilns releasing the stress and stabilising the timber
- Machined to a range of profiles from 135mm wide to 240mm wide
- Treated to H3.2 durability with a 25 year treatment warranty (*refer to full terms and conditions on website*)
- Sealed with oil based primer for added protection (raw option available)
- Raw options can be stained (*refer to point 7 – page 5*)
- Stocked and distributed from three locations and available Nationwide.
- Cost competitive and longer lasting than alternatives
- Available in bandsawn (textured surface) and dressed (machined smooth) finishes (*refer to photos on page 5*)

New Zealand has a long tradition of using wood, building houses that stand the test of time. Heritage houses such as villas and bungalows used wood for cladding and exterior trimming because it looked good, was freely available and cost effective.

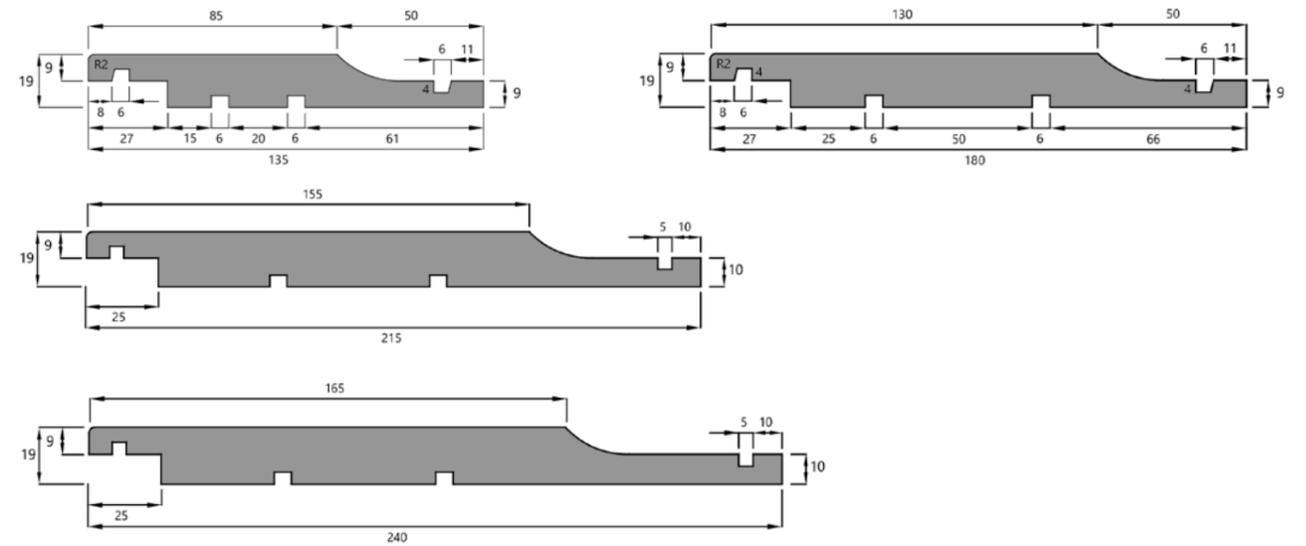
At SPP we believe that quality starts with the raw material. We use the finest mature pruned trees to create a quality clear range of solid, non fingerjointed, weatherboard and fascia.



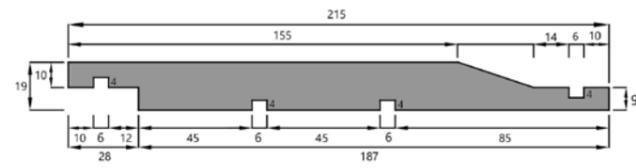
BEVELBACK WEATHERBOARD



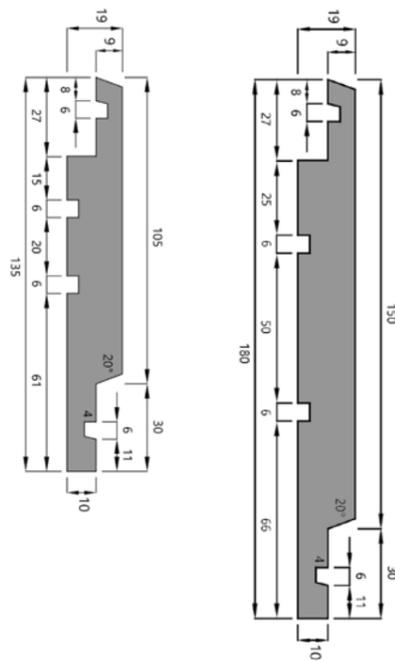
SCALLOP RUSTICATED WEATHERBOARD



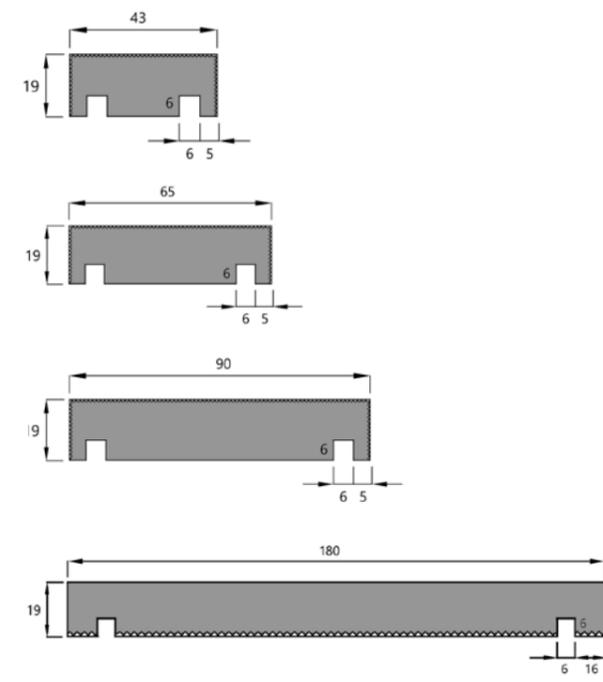
HAWKES BAY/GISBORNE WEATHERBOARD



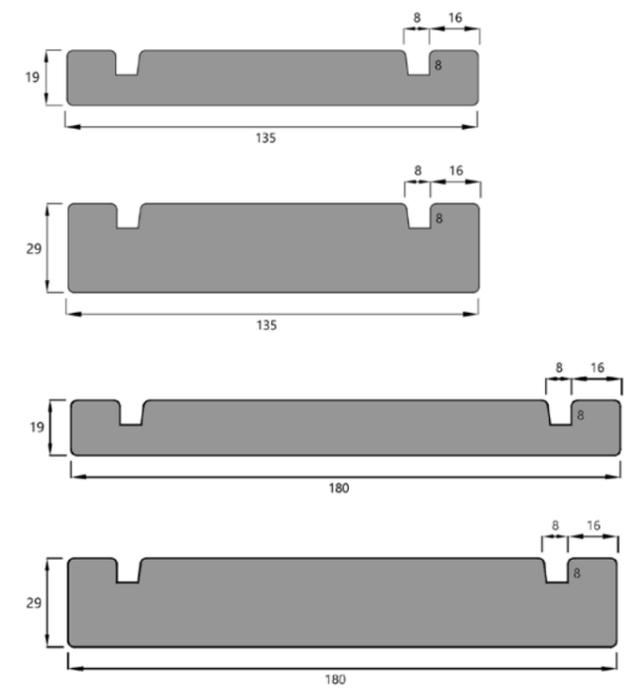
VERTICAL SHIPLAP WEATHERBOARD



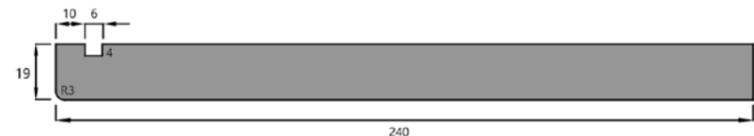
GROOVED BATTENS AND BOARDS (UNPRIMED)



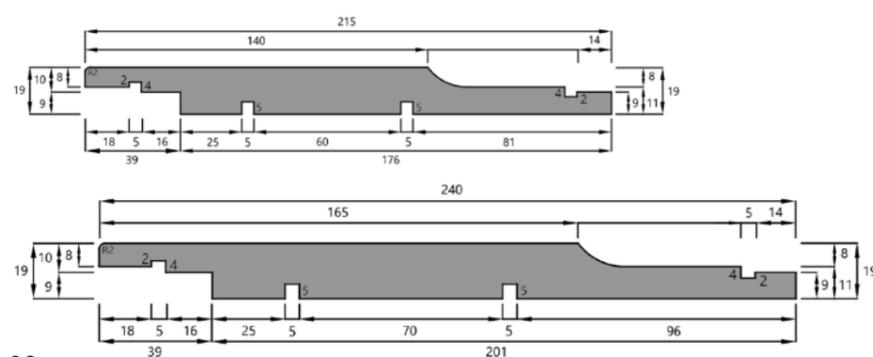
FASCIAS



AUCKLAND WEATHERBOARD



WELLINGTON WEATHERBOARD



- Weatherboards also available unpainted - P.O.A
- Grooved battens also available in dressed face option - P.O.A
- For a complete list of SPP's profiles, including our range of H3.1 treated and fingerjointed products, refer to our website

Building with Solid Timber

1.0 PROFILE CHOICE

- Choose a profile that suits the overall design aesthetics of the house but also factors in prevailing weather conditions and surrounding styles.
- A bandsawn finish (textured) is better suited to harsher climate conditions (extreme hot and cold).
- A flat bevel back profile is suited to heavy salt spray zones (ease of cleaning).
- All Dendro products have been manufactured in accordance with NZ3617 standard.



2.0 HANDLING AND STORAGE

- Care must be taken when loading and unloading product to avoid forklift or hiab damage.
- Keep the product dry at all times. If storing outside make sure the product is elevated off the ground by at least 15cm (ground bearers) and is properly supported at 90cm centres.
- Use a ground sheet to provide an added barrier to ground moisture uptake.
- Make sure the ends of packs are well covered as moisture will quickly absorb through ends of boards.
- The factory primed product will provide some protection to the weather but not full water proofing. Use covers that provide full moisture protection.

3.0 ACCLIMATISATION

- Product needs to acclimatise to the environment it is being installed in. Typically 3-5 days is enough for the product adjust to the surrounding ambient moisture content at the installation site.
- Product that has been exposed to moisture will need to be dried out prior to install. DO NOT INSTALL product that is wet. Allow to air dry by filleting the product and leaving in a shaded, dry area.

4.0 DIMENSIONAL CHANGE AND MOVEMENT IN WEATHERBOARDS

- Timber is hygroscopic which means it will take up and release moisture until it reaches an equilibrium with the surrounding environment (usually around 10-16% EMC).
- Weatherboards are designed to allow movement (expansion and contraction) due to, for example, excessively hot drying winds, seismic shocks, sustained torrential rain etc. DO NOT USE SEALANTS OR GLUES between boards or board laps as this may inhibit normal timber movement.

- The take up and release of excessive moisture can cause the product to swell and shrink. To minimise this, make sure the product is installed when dry and painted with at least two quality acrylic top coats within 4 weeks of installation.
- Also ensure all end cuts are sealed with a quality oil based exterior primer sealant.
- Nails should not be punched until the time of final painting to avoid moisture uptake.
- Always remember that exterior Radiata is susceptible to moisture until the product is properly protected with a full paint coating system.

5.0 LAPLINES

- Laplines occur when weatherboards move (expand and contract) after painting.
- To avoid these laplines, particularly on wide boards, pre paint 40mm on the bevelback profiles and 30mm on the rusticated and other profiles in the same colour as the intended finish.

6.0 INSTALLATION

- Weatherboard and fascia should be installed in accordance with the current building code and BRANZ recommended 'BEST PRACTICES'. Some helpful hints are listed below:
- Use a quality building wrap installed as per manufacturers specifications.
- When installing bevelback weatherboard use EZYSCRIBE pre-cut scribe as a storey rod.
- Seal all cut ends with two coats of oil based primer.
- Single nail all weatherboard profiles, regardless of size. This allows for natural movement due to moisture, thermal, seismic etc. Nailing boards together will likely result in split boards.
- Never nail through laps. Nails should be fixed approximately 10mm above the board below.
- Nail at a maximum of 600mm centres.
- Ideally nails should be punched and puttied and spot primed straight away. If this is not possible, leave nails un-punched until the painting/sealing process occurs. Punched nails that are left unsealed are a channel for moisture to get into timber and cause swelling.
- Refer to nail chart in this brochure for correct nail type and size.
- Leave a 2mm gap between rebated profiles (such as rusticated and shiplap) to allow for expansion and contraction.
- Ensure non-rebated profiles such as bevelback have a minimum lap of 32mm.
- Angle mitre joints away from prevailing wind and/or use flat soakers.
- Ensure bottom weatherboard is at least 150mm above the ground or 100mm above decks and terraces.
- To ensure the best weather tightness and look, use SPP boxed corners, scribes, window sills and facing boards (refer www.sppnz.co.nz)

7.0 PAINTING AND FINISHING

- Dendro solid fascia and weatherboard is supplied coated with an oil base primer. While such factory priming ensures some weather protection, it does not make the product water proof and the following guidelines should be strictly followed to ensure a trouble free, long lasting product:
- Painting should take place as soon as practical after installation and within 4 weeks under normal weather conditions (not severe rain wetting). If longer than 4 weeks or where severe wet or cold weather has occurred, allow product to dry, sand and apply at least one coating of oil base primer.
- Use a correctly calibrated moisture meter to test the EMC (equilibrium moisture content) should be at or below 16%. DO NOT PAINT if the product is wet. This will seal moisture in the timber causing later swelling and shrinkage (cracking etc).
- Before commencing painting, make sure the product is clean and free of dirt or grease etc. Give the product a light sand to assist with keying the next paint coat. Make sure all nails are punched and putty sealed and primed.
- It is recommended the use of an oil base undercoat where the environment is subject to extreme temperatures (hot or cold), is exposed to coastal salt winds or higher humidity.
- Apply two coats of quality acrylic (water base) paint following the directions of the paint manufacturer and normal best practice. Final film build of the top two coats should be no less than 50 microns dry. Take particular care to get adequate paint on the corner edge of each board.
- Painters can refer to AS/NZ 2311 as a guide to best painting practices.
- H3.2 treated pine can be stained. Care must be taken to ensure the correct stain is chosen to suit your cladding and climatic conditions. Refer to stain manufacturers guidelines and BRANZ Good Practice Guide.

8.0 RESIN BLEED

- Resin is a naturally occurring substance and can sometimes seep out particularly when exposed to extreme heat.
- The choice of a light colour and good quality oil base primer blockers will tend to minimise the potential for timber bleed.
- if it does occur, allow crystallising and hardening over a period of 12-18 months then simply scrape/sand off and repaint affected area.
- While care is taken to minimise the use of heavily resinous timber, SPP does not warrant or guarantee against.

9.0 COLOUR CHOICE

- Dark colours absorb excessive heat from the sun which may cause timber movement, distortion, timber cracking, paint bubbling and resin bleed.
- Light colours tend to reflect heat far more than dark colours.
- SPP exterior treated products including Dendro solid fascia and weatherboard must be painted in light colours with a light reflective value (LRV) of 45 or greater. Refer to paint colour chart for detail.

NAIL SIZES FOR TIMBER CLADDING

PROFILE	NAIL SIZE	
	PLAIN SHANK	ANNULAR GROOVED
Bevelback	75 x 3.15mm	65 x 3.15mm
Rebated Bevelback	75 x 3.15mm	65 x 3.15mm
Scallop Rusticated	60 x 2.80mm	50 x 2.80mm
Shiplap	60 x 2.80mm	50 x 2.80mm
Splaycut	75 x 3.15mm	65 x 3.15mm
Board & Batten	75 x 3.15mm	65 x 3.15mm

*When installing with a cavity increase the nail length to suit
*SPP recommend the use of stainless steel nails but refer to the building code NZS3604 and amendments as well as local council requirements when selecting nail and screw fittings

WEATHERBOARD COVER CHART

EX SIZE	PROFILE	FIN. SIZE	EFFECTIVE	
			COVER	L/M PER M ²
150 x 25	Bevelback	135 x 19mm	103mm	9.70
150 x 25	Bevelback	140 x 21mm	108mm	9.25
150 x 25	Rebated Bevelback	135 x 19mm	110mm	9.09
150 x 25	Scallop Rusticated	135 x 19mm	110mm	9.09
150 x 25	Shiplap	135 x 19mm	110mm	9.09
200 x 25	Bevelback	180 x 19mm	148mm	6.75
200 x 25	Rebated Bevelback	180 x 19mm	155mm	6.45
200 x 25	Scallop Rusticated	180 x 19mm	155mm	6.45
200 x 25	Scallop Rusticated	185 x 19mm	160mm	6.25
225 x 25	Bevelback	210 x 19mm	178mm	5.61
225 x 25	Rusticated	215 x 19mm	190mm	5.26
250 x 25	Bevelback	240 x 19mm	208mm	4.80
250 x 25	Rusticated	240 x 19mm	215mm	4.65

*Other profiles available upon request



part of every home.

QUALITY PRODUCTS AVAILABLE

Weatherboards
Fascia
Door Jambs
Panelling
Flooring
Square Dressed Boards
Clear Mouldings
Finger Joint Mouldings
MDF Mouldings & Jambs
Pre-Finished Mouldings
Rod & Dowel
Handrails
Laminated Boards
Cut-to-Length Mouldings and Boards



Discover more by visiting our website for a full range of products and solutions to suit your next project www.sppnz.co.nz



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