weathertex

a better choice, naturally

Cladding | Panels | Weatherboard

NEW RELEASE

Weathergroove 75 Smooth
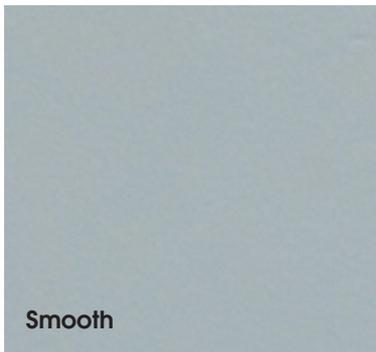
Smooth

Ruff-Sawn

Woodsman
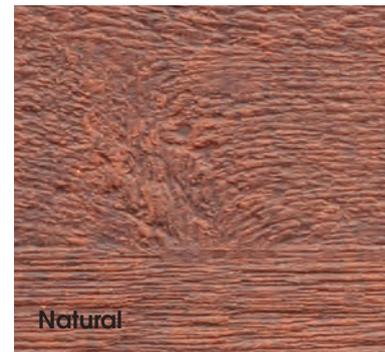
Natural

TRUSTED BRANDS
ARCHITECTURE//DESIGN
2016 2018
#1 WINNER

Installation Manual
2019

WE COMPLY
NCC regulations and 'Deemed to Satisfy' (DtS) provisions

INDUSTRIAL
(2 storeys & underground carpark)

Class 8

RESIDENTIAL HOME/GUEST HOUSE

Class 1 & 10

HOTEL/MOTEL
(inc. HOSTEL/BACKPACKER /STUDENT ACCOMMODATION)
(2 storeys & underground carpark)

Class 3

TOWNHOUSE VILLA DUPLEX

Class 1

SHOP/OFFICE/ WAREHOUSE /CARPARK
(2 storeys & underground carpark)

Class 5, 6 & 7

APARTMENT
(2 storeys & underground carpark)

Class 2

HOSPITAL/ SCHOOL
(1 storey & underground carpark)

Class 9a & 9b

RESIDENTIAL AGED CARE
(2 storeys & underground carpark)

Class 9c

weathertex
a better choice, naturally

⬤ Industrial & Commercial   ⬤ Residential & Apartment

*For additional types of building requirements a Performance Solution is required.

Contents

Introduction

100% Australian made and owned, Weathertex® Weatherboards and Architectural Panels are manufactured from native Australian hardwood timber. Weathertex sources timber from sustainably managed forests and controlled sources audited under the Australian Forestry Standard (AFS) and Certified by PEFC: the world's largest forest certification scheme.

The unique manufacturing process at the Weathertex Factory facilitates the production of highly durable, reconstituted exterior-grade cladding without the need for the hazardous chemical additives, crystalline silica, resins, binding agents or formaldehydes which are present in alternate light weight cladding products on the market. Not only does this allow offcuts and waste to be recycled as mulch or fuel, but is safe and easy for builders to cut and work without the need for special tools.

Underpinned by our 25 year guarantee not to rot, split or crack; Weathertex proudly delivers natural, long-lasting timber products to customers in Australia and around the world. With a better than zero carbon footprint, Weathertex strives to provide quality products which enable creative and sustainable design for the future.

Our 'Green' Accreditations

A rigorous life-cycle evaluation has been conducted by Global GreenTag International to determine the 'environmental performance' of our products. We are proud to announce we have been the FIRST GLOBAL manufactured product to receive their highest Platinum certification for our Natural Range and a Gold certification for all our flat primed profiles.

Weathertex is part of the International Living Institute Declare Label database. Declare is a voluntary transparency program aiming to transfer the building materials industry towards healthier products.

Our Awards

2018 Supplier of the Year at the Australian Construction Awards. The industry relies on a number of stakeholders to keep projects moving. Supplier of the year is a company that provided quality, on time, every time.

2016-18 Most Trusted Brand Award x2 Winners. Architecture and Designs 'Top Trusted Brand' survey reveals Australia's top brands within the architecture, building, construction and design industries.

2017 National Export Award from MBA, for Products and Manufacturing.

Whether you are seeking timber cladding for a renovation, extension, new home, or commercial application, Weathertex® Weatherboards and Architectural Panels offer an endless variety of timber cladding solutions and styles.

Naturally, the right choice.

GREEN TAG CERTIFIED
ecospecifier global
trust brands™

NATURAL RANGE IS PLATINUM GREENTAG CERTIFIED.

PRIMED RANGE FLAT SHEET PRODUCTS ARE GOLD GREENTAG CERTIFIED.

THE FIRST MANUFACTURED PRODUCT **GLOBALLY** TO ACHIEVE **PLATINUM GREENTAG™** CERTIFICATION

TRUSTED BRANDS 2016 2018
ARCHITECTURE//DESIGN
#1 WINNER

Certified System
Quality ISO 9001
SAI GLOBAL

Responsible Wood RW/1-31-9

PEFC PEFC/21-31-09

TOP TRUSTED ARCHITECTURE AND DESIGN 1st WINNER x 2

UP TO 25 YEAR GUARANTEE — NOT TO SPLIT, CRACK OR ROT

BETTER THAN ZERO CARBON FOOTPRINT

NO CHEMICALS ADDED — NO SILICA — NO RESINS — NO GLUES

AUSTRALIAN 100% MADE & OWNED

TESTED & PROVEN OVER 50 YEARS

AUSTRALIAN HARDWOOD

TERMITE RESISTANT — SUGARS & STARCHES ARE REMOVED

BAL 19 UP TO & INCLUDING FIRE RATING

* Refer to Weathertex Manufacturer's Warranty Conditions

PRODUCT RANGES

Classic Weatherboards

Weathertex Classic Weatherboards include smooth and featured surface planks for lapped applications:

Classic
3660mm x 200mm   3660mm x 300mm

Rusticated
3660mm x 200mm

Smooth   *Ruff-Sawn*   *Smooth*   *Ruff-Sawn*

Selflok Weatherboards

Selflok Weatherboards are routed during manufacturing with a self-locking feature to allow each board to accurately align above one another, providing a clean and neat finish. Semi-concealed fixing in many wind areas is also possible. Ecogroove Woodsman available un-primed.

### Millwood
3660mm x 300mm

Smooth   *Ruff-Sawn*

Colonial
3660mm x 300mm

Smooth

Texwood
3660mm x 300mm

Smooth

Ecogroove 150^
3660mm x 300mm

Smooth   *Woodsman*

Ecogroove 300^
3660mm x 300mm

Smooth   *Woodsman*

^ Refers to groove spacing.   *^Refers to groove spacing.*

PRODUCT RANGES

Weatherboards

Primelok Weatherboards

Smooth and textured Primelok Weatherboards feature the Primelok® aligning spline for increased speed and accuracy when installing. The Primelok design allows for fixings to be fully concealed under the lap.

Primelok 200
3660mm x 200mm

Smooth
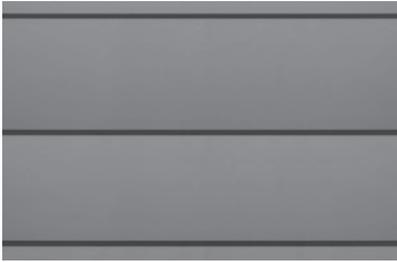
Ruff-Sawn

Woodsman

Shadowood
3660mm x 170mm

Smooth

Federation
3660mm x 170mm

Smooth
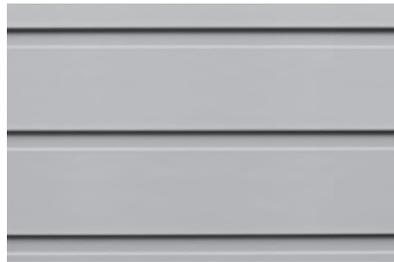
Federation
3660mm x 170mm

Ruff-Sawn

PEFC/21-31-09

* Refer to Weathertex Manufacturer's Warranty Conditions

Weathergroove Panels

Smooth, Ruff-Sawn or Woodsman textured Weathergroove Panels display regular vertical grooves. Rebated edges combine with Weathergroove joiners to provide a hidden vertical panel joint. Able to be joined on or off-stud. Due to the cutting method there may be slight deviations in the groove tolerance on 75mm panels.

75 Smooth
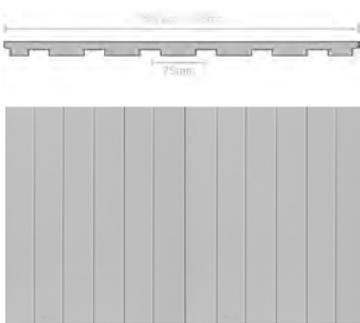
3660mm x 1196mm

150 Smooth
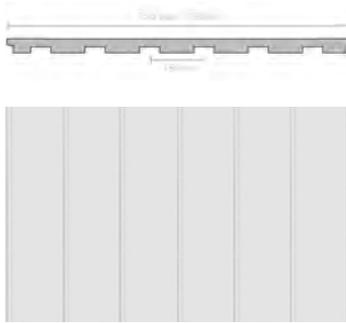
3660mm x 1196mm
2745mm x 1196mm
2440mm x 1196mm

150 Ruff-Sawn

3660mm x 1196mm
2745mm x 1196mm
2440mm x 1196mm

150 Woodsman
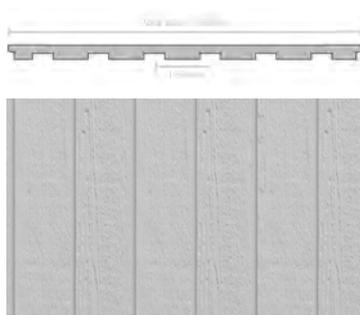
3660mm x 1196mm
2745mm x 1196mm
2440mm x 1196mm

300 Smooth
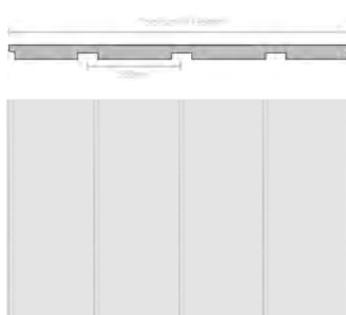
3660mm x 1196mm
2745mm x 1196mm

600 Smooth
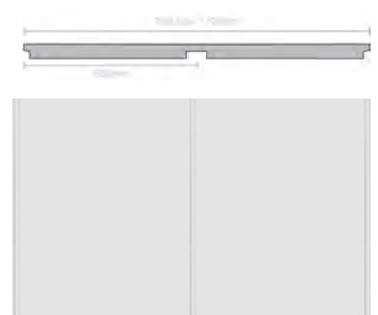
3660mm x 1196mm
2745mm x 1196mm

1200 Smooth

3660mm x 1196mm
2745mm x 1196mm

GREEN TAG CERTIFIED — GOLD — trust brands™

UP TO 25 YEAR GUARANTEE — NOT TO SPLIT, CRACK OR ROT

EcoWall Panels

EcoWall offers a modern express join style by incorporating both vertical and horizontal express joins. Large panel sizes allow for quick installation and versatility.

Smooth

Woodsman (3660 x 1220mm only)
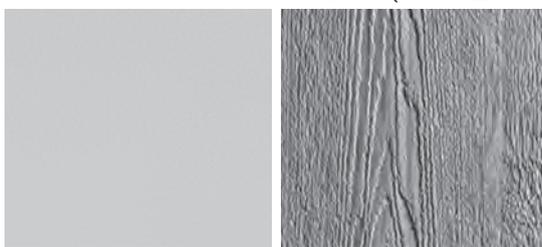
EcoWall Smooth Sizes:

3660mm x 1220mm
2745mm x 1220mm
2440mm x 1220mm
1220mm x 1220mm
1220mm x 915mm

Rubix Panels

Rubix Panel is a self-locking Architectural Panel designed to be joined on or off stud without the need for joining accessories.

Sizes:
1200mm x 1200mm
1200mm x 900mm

UP TO 10 YEAR GUARANTEE — NOT TO SPLIT, CRACK OR ROT

Natural Cladding

The Natural range is an un-primed board which provides a unique appearance with the characteristics and look of raw, undressed timber. The Natural surface is pressed to create a woodgrain effect and its rough, deep cut pattern shows all the knots, grains and imperfections of natural timber.

The surface can be coated with a water-based decking stain to maintain the look of fresh brown timber; it can be left untreated and allowed to age naturally just like solid hardwood, or it can be treated with a controlled erosion stain to mimic this ageing process. When left untreated the surface will weather and grey subject to location and sun exposure achieving a rustic appearance similar to other natural hardwood timber products. Refer to the Painting and Maintenance Section for more details.

NOTE: Weathertex plastic joiners are not used with the natural range and alternate joining instructions are provided in the relevant installation sections.

Ecogroove 150^
Natural
3660 x 300
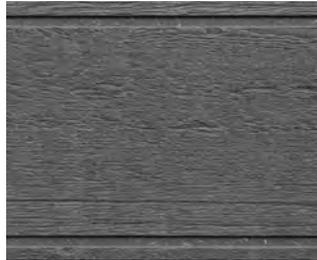
Ecogroove 300^
Natural
3660 x 300
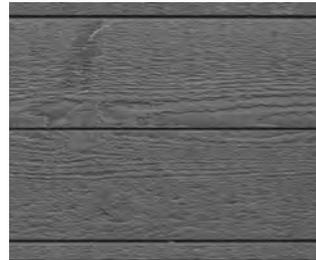
Vgroove 150^
Natural
3660 x 300
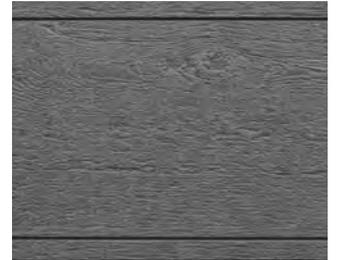
Vgroove 300^
Natural
3660 x 300

Weathergroove
75 Natural
(3660x1196mm only)

Weathergroove
150 Natural
(3660x1196mm only)

Weathergroove
300 Natural
(3660x1196mm only)
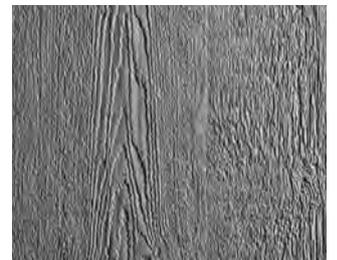
EcoWall
Natural
(3660x1220mm only)

Wall Shingles

Regular vertically grooved Ruff-Sawn Weatherboards for overlapping shingles effect. Notched lower edge.

Please note that wall shingles are supplied un-primed.

1195mm x 225mm

*Refer to Weathertex Manufacturer's Warranty

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ACCESSORIES RANGE

Weathertex Accessories

Made from PC/ABS

PRODUCT	LENGTH (mm)	SUITED TO:	
TRADITIONAL OFF STUD JOINER	200 Smooth or Ruff-Sawn 300 Smooth	Classic 200mm Weatherboards Primelok Classic 200mm Classic 300mm Weatherboards	
RUSTICATED JOINERS	200 Smooth 200 Ruff-Sawn	Rusticated Smooth Rusticated Ruff-Sawn	
FEDERATION JOINERS	170 Smooth 170 Ruff-Sawn	Primelok Federation Smooth Primelok Federation Ruff-Sawn	
SHADOWOOD JOINER	170 Smooth	Primelok Shadowood Smooth	
MILLWOOD JOINERS	300 Smooth 300 Ruff-Sawn	Selflok Millwood Smooth Selflok Millwood Ruff-Sawn	
COLONIAL JOINER	300 Smooth	Selflok Colonial Smooth	
ECOGROOVE 150 JOINERS	300 Smooth 300 Woodsman	Selflok Ecogroove 150 Smooth Selflok Ecogroove 150 Woodsman	
ECOGROOVE 300 JOINERS	300 Smooth 300 Woodsman	Selflok Ecogroove 300 Smooth Selflok Ecogroove 300 Woodsman	
TEXWOOD JOINER	300 Smooth	Selflok Texwood Smooth	
SHINGLE JOINER	255	Weathertex Wall Shingles	
170MM CONCEALED JOINER	170	Primelok 170 Weatherboards	
200MM CONCEALED JOINER	200	Classic 200mm Weatherboards Primelok 200mm Weatherboards	
300MM CONCEALED JOINER	300	Selflok 300mm Weatherboards	
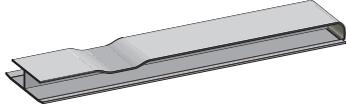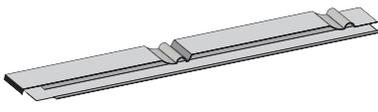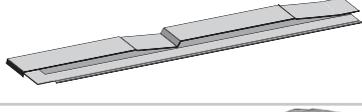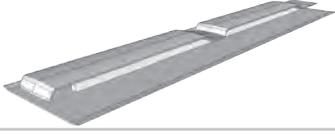
Weathertex Accessories

PRODUCT	LENGTH (mm)	SUITED TO:	
PRIMELOK STARTER STRIP	1830	All Weathertex Primelok Weatherboards	
SMALL CORNER PLUG		Traditional Small External Aluminium Corner	
LARGE CORNER PLUG		Traditional Large External Aluminium Corner	
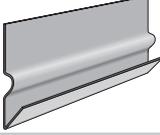
CAVITY WALL SYSTEM	LENGTH (mm)	DIMENSION (mm)		
SMALL CAVITY CLOSER	1830	a = 10	Selflok Weatherboards, Weathergroove, EcoWall Panels.	
LARGE CAVITY CLOSER	1830	a = 20	Classic 200 and 300mm Weatherboards, Primelok Weatherboards	
CAVITY BATTENS	1220	a = 45 b = 1220 c = 9.5	All cavity constructions	
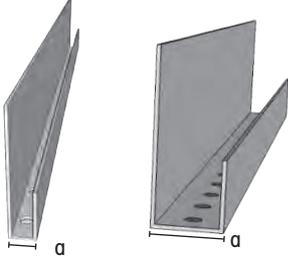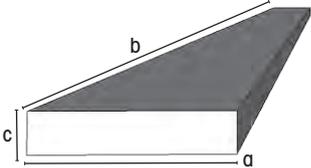
Trimtec Accessories

Made from anodised aluminium

PRODUCT	LENGTH (mm)	DIMENSION	Suited to:	
SMALL INTERNAL LF CORNER	3660	a = 27 b = 11	Selflok Weatherboards, Weathergroove Panels, EcoWall Panels, Rubix Panels	
SMALL EXTERNAL LF CORNER	3660	a = 27 b = 11	Selflok Weatherboards, Weathergroove Panels, EcoWall Panels, Rubix Panels	
SMALL END STOP	3660	a = 27 b = 11	Selflok Weatherboards, Weathergroove Panels, EcoWall Panels, Rubix Panels	
LARGE END STOP	3660	a = 27 b = 21	Primelok Weatherboards, Rusticated, Classic Weatherboards	
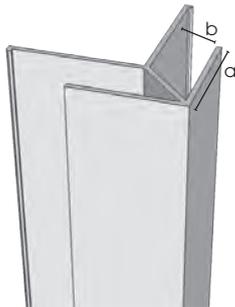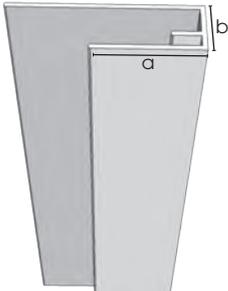
Trimtec Accessories

Made from anodised aluminium

TRADITIONAL ALUMINIUM CORNERS

SMALL INTERNAL CORNER	3660	a = 4 b = 11 c = 45	Selflok Weatherboards, Weathergroove Panels, EcoWall Panels, Rubix Panels	
LARGE INTERNAL CORNER	3000	a = 4 b = 21 c = 35	Primelok Weatherboards, Rusticated, Classic Weatherboards	
SMALL EXTERNAL CORNER	3660	a = 17 b = 11 c = 35	Selflok Weatherboards, Weathergroove Panels, EcoWall Panels, Rubix Panels	
LARGE EXTERNAL CORNER	3000	a = 27 b = 21 c = 35	Primelok Weatherboards, Rusticated, Classic Weatherboards	
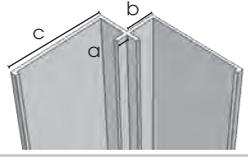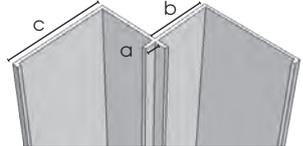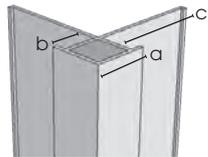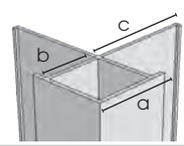
PRODUCT	LENGTH (mm)	DIMENSION	SUITED TO:	
ALUMINIUM Z FLASHING	3660	L = 3660mm a = 27mm b = 10mm	Weathergroove Panels, EcoWall Panels Other products as required	
SMALL ALUMINIUM Z FLASHING	3670 (size extended to allow for cutting)	L = 3670mm a = 10mm b = 10mm c = 73mm	Weathergroove Panels, EcoWall Panels, other products as required.	
LONG VERTICAL ALUMINIUM JOINER	3660	L = 3660mm a = 20mm b = 11mm c = 70mm	Selflok Weatherboards, EcoWall Panels	
ALUMINIUM DEEP CHANNEL JOINER	3660	L = 3660mm a = 10mm b = 70mm	EcoWall Panels	
ALUMINIUM DEEP CHANNEL JOINER LF	3660	L = 3660mm a = 27mm b = 11mm c = 10mm d = 100mm	EcoWall Panels, other products as required	
WEATHERGROOVE JOINERS	3660, 2745, 2440	L = 3660mm a = 11mm b = 5mm c = 50mm	Weathergroove Panels	
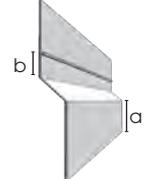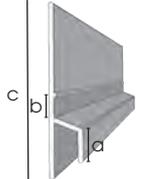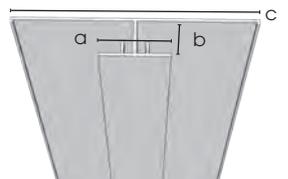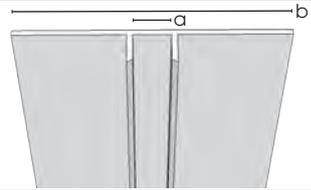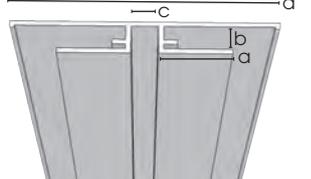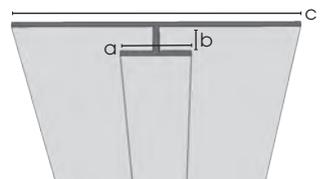
PRODUCT INFORMATION

Dimensions and Packaging

TRADITIONAL WEATHERBOARDS		LENGTH (mm)	WIDTH (mm)	UNITS PER PACK	CONTENTS m²
Classic 200		3660	197	144	103.8
Classic 300		3660	298	96	104.7
Rusticated		3660	197	144	103.8
Wall Shingles		1195	225	120	32.3
SELFLOK WEATHERBOARDS		**LENGTH (mm)**	**WIDTH (mm)**	**UNITS PER PACK**	**CONTENTS m²**
Millwood		3660	298	96	104.7
Colonial		3660	298	96	104.7
Ecogroove 150		3660	298	96	104.7
Ecogroove 300		3660	298	96	104.7
Texwood		3660	298	96	104.7
Vgroove 150		3660	298	96	104.7
Vgroove 300		3660	298	96	104.7
PRIMELOK WEATHERBOARDS		**LENGTH (mm)**	**WIDTH (mm)**	**UNITS PER PACK**	**CONTENTS m²**
Primelok 200		3660	197	144	103.8
Federation		3660	170	168	104.5
Shadowood		3660	170	168	104.5
ARCHITECTURAL PANELS		**LENGTH (mm)**	**WIDTH (mm)**	**UNITS PER PACK**	**CONTENTS m²**
EcoWall Panels	12 x 4	3660	1220	24	107.2
	9 x 4	2745	1220	24	80.37
	8 x 4	2440	1220	24	71.4
	4 x 4	1220	1220	48	71.4
	4 x 3	1220	915	48	53.6
Rubix Panels	4 x 4	1200	1200	48	69.1
	4 x 3	1200	900	48	51.8
Weathergroove Panels	12 x 4	3660	1196	24	105.1
	9 x 4	2745	1196	24	78.8
	8 x 4	2440	1196	24	70.0

Weatherboard Wall Coverage Table

	CLASSIC	CLASSIC	RUSTICATED	ALL SELFLOK PROFILES	PRIMELOK	FEDERATION / SHADOWOOD	WALL SHINGLES
Weatherboard Width	200	300	200	300	200	170	225
Weatherboard Lap	20	20	25	20	25	25	40
NUMBER OF ROWS (x)	WALL HEIGHT COVERAGE (mm)						
Approximation	= 177x + 20	= 278x + 20	= 172x + 25	= 279x + 19	= 172x +25	= 143x + 25	= 185x + 40
1	197*	298*	197*	298*	197*	168*	225*
2	374	576	369	577	369	311	410
3	551	854	541	856	541	454	595
4	728	1132	713	1135	719	597	780
5	905	1410	885	1414	885	740	965
6	1082	1688	1057	1693	1057	883	1150
7	1259	1966	1229	1972	1229	1026	1335
8	1436	2244	1401	2251	1401	1169	1520
9	1613	2522	1573	2530	1573	1312	1705
10	1790	2800	1745	2809	1745	1455	1890
11	1967	3078	1917	3088	1917	1598	2075
12	2144	3356	2089	3367	2089	1741	2260

NOTES:

1. Manufacturing and installation tolerances apply

2. Weathertex Selflok and all Primelok profiles have set Weatherboard laps. The top row of Weatherboards may require cutting to fit to the eaves

3. At the wall/eave intersection a timber cover strip or quad may be fixed for a tidy finish

4. Checking row height alignment around corners is important to avoid creep due to small differences in board tolerances and tightness of installation

Fire Rated Wall Systems - Fire Resistance Level (FRL)

Weathertex cladding can achieve FRL ratings up to and including 120/120/120 when constructed with additional fire rated linings. Weathertex can be conveniently installed over a wide range of fire rated wall systems detailed by the relevant system manufacturer such as CSR Gyprock and Boral. Advice of the system manufacturer should be sought on the appropriate system for your project.

All walls must be designed for the applied loads. For load-bearing walls and walls subject to wind pressures, walls shall be designed to the appropriate Australian Standards or construction manuals. Designers should consider Axial Capacity Reduction (ACR) from charring or loss of steel strength due to heat. Guidance on structural design can be sought from the relevant FRL system manufacturer.

Standard installation requirements in this installation guide apply to the installation of the Weathertex external cladding component. Fastener lengths must be increased by the thickness of all packing materials used between the frame and Weathertex.

Example FRL Systems
Note: Battens shown in diagrams are optional. Timber studs at maximum 600mm centres

Direct/ Cavity Fix - 30/30/30 (from outside only)	Direct/ Cavity fix - 60/60/60 (from outside only)* *ACR Group 2
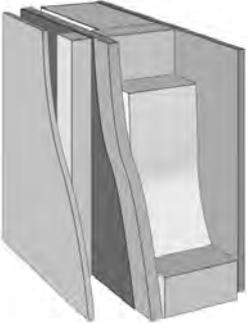
External Wall Side
- Weathertex 9.5mm Cladding direct/cavity fix
- Vapour Permeable Membrane
- 1 layer of 16mm Gyprock Fyrchek MR Plasterboard

Internal Wall Side
- 1 layer of 6mm CeminSeal Wallboard
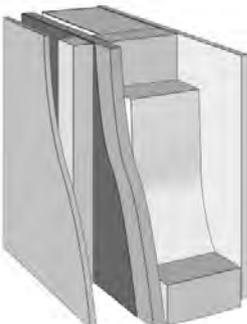
External Wall Side
- Weathertex 9.5mm Cladding direct/cavity fix
- Vapour Permeable Membrane
- 1 layer of 16mm Gyprock Fyrchek MR Plasterboard

Internal Wall Side
- 1 layer of 10mm Gyprock Plus Plasterboard

Direct/ Cavity Fix - 90/90/90 (from outside only)	Direct/ Cavity Fix - 120/120/120 (from outside only)
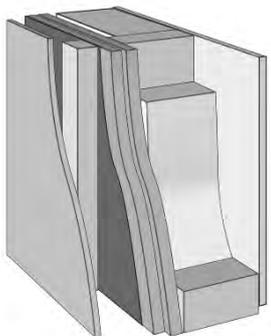
External Wall Side
- Weathertex 9.5mm Cladding direct/cavity fix
- Vapour Permeable Membrane
- 2 layers of 13mm Gyprock Fyrchek MR Plasterboard

Internal Wall Side
- 1 layer of 10mm Gyprock Plus Plasterboard
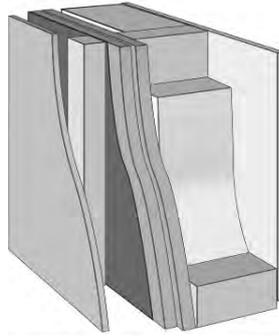
External Wall Side
- Weathertex 9.5mm Cladding direct/cavity fix
- Vapour Permeable Membrane
- 2 layers of 16mm Gyprock Fyrchek MR Plasterboard

Internal Wall Side
- 1 layer of 10mm Gyprock Plus Plasterboard

For Steel frames: additional allowed systems are listed in the Redbook Addendum

For FRL protection from both sides: additional allowed systems are listed in the Redbook Addendum

For CSR systems, alternative claddings can be:
- Direct fixed using fixings not greater than 10 gauge, Or
- Structural batten fixed using fixings not greater than 14 gauge
- Battens of non-structural thickness or type should be ignored and the cladding treated as a direct fix scenario by simply using 10 gauge fixing of increased length in order to fix back to the structural frame
- All fixings that penetrate fire linings must fix directly into a framing element

Certificate of physical properties

weathertex

Weathertex weatherboards and architectural panels.

Weathertex Weatherboards and Architectural Panels have been comprehensively tested to Australian and International Standards for verification of compliance to the Building Code of Australia.

Material Durability Properties

The Product Specification Standard for Weathertex is AS1859.4 - Wet Processed Fibreboard for Exterior Conditions (HB.E)

Property	Standard	Result	Requirement
Dimensions	AS NZS 4266.1	PASS	±2mm/m
Density	AS NZS 4266.1	1000 kg/m³	> 750 kg/m³
Bending Strength	AS NZS 4266.1	32 MPa	> 20 MPa
Modulus of Elasticity	AS NZS 4266.1	4500 MPa	> 2900 MPa
Equilibrium Moisture Content	AS NZS 4266.1	7.5%	7.5% ± 1% @ Factory gate
Moisture Resistance	AS NZS 4266.1 - 24 Hour submersion	< 2% Swell	8% Max.
		< 6% Absorption	12.5% Max.

Thermal and acoustic properties

Property	9.5mm Component Value	Weathertex System
Thermal Conductivity	0.195 W/mK	Where thermal and acoustically rated walls are required: Weathertex can be used as part of wall systems to meet your specific performance requirements.
Thermal Resistance	0.05 m²K/W	
Acoustic Properties (Rw)	System Dependant	

Fire properties

Property	Standard	Result	Requirement
Bushfire Attack Level (BAL)	AS 3959	Up to and including BAL 19	BCA: Vol. 1 - G5.2 BCA: Vol. 2 - 3.10.5
Average Specific Extinction Area	AS/NZS 5637.1	38.7 m²/kg	BCA: Vol. 1 - C1.10
Material Group Number	AS/NZS 3837	Group 3	BCA: Vol. 1 - C1.10 BCA: Vol. 1 - Spec C1.10 - 4
Early Fire Hazard Indices	AS 1530.3	Ignitability : 12 Spread of Flame: 5 Heat Evolved : 4 Smoke Developed: 2	BCA: Vo1. 1 - C1.10
Fire Resistance Level (FRL)	AS1530.4	Systems up to 120/120/120 available	BCA: Vol. 1 - Spec C1.1
Combustibility	BCA: Vol 1 - C1.1	Type C Compliant*	BCA: Vol 1 - C1.1

* A class 2,3 or 9c building with a rise in storeys of 2 may be of type C construction it requirements of C1.5 are satisfied.

Miscellaneous properties

Formaldehyde Classification	AS/NZS 4266.16 Test Method: <0.07 mg/L JIS A 1460 Class F^XXXX/SEO

Weathertex contains no silica's, resins, binders or added formaldehydes and the results above confirm the amount naturally present in hardwood timber is negligible and well below the acceptance level of 1.0mg/L (E1).

Code Compliance

Weathertex is compliant to all relevant sections of the NCC through Assessment Methods listed in Part A2 of the 2019 NCC. These Assessment Methods demonstrate Weathertex's compliance with relevant performance requirements through Performance and Deemed-to-Satisfy solutions.

Subject to A5.4, A5.5 and A5.6, evidence to support that the use of a Weathertex meets relevant Performance Requirements & Deemed-to-Satisfy Provisions is available in the form of a Product Technical Statement (PtS) that demonstrates that Weathertex fulfils these specific requirements of the BCA and sets out the basis on which this PtS is given and the extent to which relevant standards, specifications, rules, codes of practice or other publications have been relied upon to demonstrate Weathertex fulfils specific requirements of the BCA.

Image: Weathergroove 150 Smooth & Selflok 150 Natural

GENERAL REQUIREMENTS - ALL PRODUCTS

The following installation instructions and guides are in addition to local and state regulations and the requirements of the National Construction Code (NCC). Weathertex provides a suite of CAD drawings which should be used in conjunction with the instructions in this installation guide. Note: All diagrams in this installation guide are for demonstration purposes only. Diagrams may omit some components for clarity.

Deviation from standard applications and requirements detailed in this Installation Manual or supplementary Weathertex Construction Details may void the manufacturer's product warranty. The product specific installation instructions in this manual are applicable to steel and timber frames for both direct fix and cavity systems. Preparation steps must be followed for direct fix to timber frame, ventilated cavity construction and steel frame construction.

Storage and Handling

Weathertex products should be stored flat, under cover and on timber bearers spaced at maximum 600mm centres. When storing Weathertex outside, keep the stack clear of the ground and cover with waterproof materials to prevent water staining.

Note: Weathertex factory stretch wrap is not designed to keep stored product weatherproof and should not be relied upon for primary weather protection.

Anodised aluminium products should be stored in a dry and flat position away from any potentially corrosive or incompatible materials. Timber or soft bearers at a distance no more than one metre apart should be used to support the product. Continuous exposure to moisture will promote corrosion. Metal edges and cut corners of the product can be sharp and may cause personal injury if not handled safely. Wear eye protection, gloves and protect skin when possible and when cutting avoid air borne metal fragments.

Cutting and Working with Weathertex

Weathertex products are easy to cut and shape with a normal hand or power saw. Primelok Weatherboards should be cut individually to protect the aligning spline. Weathertex may be stacked two or three high for multiple cutting. Where required, edges may be trimmed with a smoothing plane or sandpaper. Holes are easily drilled with high speed drills or clean cutter bits.

The normal health and safety precautions should be taken when working with wood panel products. Machine tools should be fitted with dust extractors and work areas kept clean. If dust levels exceed Worksafe Australia Standards the wearing of a dust mask (AS 1715 and AS 1716) and safety glasses (AS 1337) is recommended. Storage and work areas should be adequately ventilated. A Safety Data Sheet is available for download on the Weathertex website: www.weathertex.com.au

Site, Foundation and Framing

Foundation design must comply with AS 2870 "Residential Slabs and Footings - Construction" and the National Construction Code (NCC). Timber or steel frames shall comply with the NCC. Where applicable, timber frames shall be constructed in accordance with Australian Standard 1684 - Residential Timber - Framed Construction. Steel frames must be erected in accordance with the manufacturer's requirements. Frames shall be straight and true with studs at a maximum of 600mm centres. Timber shall be seasoned, as unseasoned timber is prone to shrinkage and can cause sheets and frames to move.

Ground Clearances

Lower framing timbers must be isolated from ground moisture by suitable damp-proof courses (DPC) or termite shielding. Similarly, Weatherboards or Architectural Panels must not be placed in direct contact with masonry, brickwork or concrete. Where necessary, use strips of Alcor to isolate the materials.

The bottom edge of Weatherboards and Architectural Panels must be kept clear of paved surfaces by a minimum of 100mm and a minimum of 225mm for unprotected ground (i.e. grass, gardens etc).

Weatherboards and Architectural Panels must extend a minimum of 50mm below the bearer or lowest horizontal part of the of suspended floor framing for a suspended floor system. The grade of adjacent finished ground must slope away from the building to avoid the possibility of water accumulation. Typically this is a minimum slope of 50mm over the first metre, however please refer to the minimum slope required from local building codes and regulations. Do not install so that Weathertex may remain in contact with standing water.

*NOTE: To comply with termite protection provisions a greater clearance may be required. See 'Weathertex and Termite protection' on page 17

Moisture Management and Flashing

Weathertex Weatherboards and Architectural Panels are intended for use as internal and external cladding in standards stud wall systems.

It is the responsibility of the Designer or Specifier to identify moisture related risks associated with any particular building design. Wall construction design must effectively manage moisture, considering both the interior and exterior environments of the building, particularly in buildings that have a high risk of wind driven rain or are artificially heated or cooled. Adequate design of ventilation, flashings and moisture management systems must ensure that the wall cavity and the back of the Weathertex board will remain dry at all times.

In addition, all wall openings, penetrations, junctions, vertical and horizontal joins, connections, window heads, sills and jambs or other components, must incorporate appropriate NCC complying flashing for waterproofing to prevent moisture exposure on the back of the Weathertex. Flashing materials and methods must comply with the requirements of relevant Australian Standards and the NCC. Failure to appropriately flash all penetrations will void the Weathertex Manufacturer's Warranty.

On walls projecting from the roof line in upper storey construction, keep the bottom edge of Weathertex Weatherboards 70mm clear of the lower storey roof claddings. Weatherproof with an approved flashing.

Wall Sarking Requirements

Vapour permeable membrane must be used under all Weathertex external wall systems. The vapour permeable membrane allows for the controlled escape of vapour from within the building whilst restricting the ingress of liquid moisture.

Weathertex recommends the use of Vapour permeable membrane in conjunction with the Weathertex Cavity Installation System to provide the best protection against condensation problems such as mould, timber rot, corrosion and loss of thermal resistance. Resources such as the ABCB Condensation Handbook and NATSPEC offer general information on condensation principles.

NOTE: Soft compressible insulation installed directly between the front of the wall studs and Weathertex cladding is not compatible with Weathertex products and will void the product warranty.

Sarking Requirements for Climate Zones 2 - 8	
Material Standard	AS/NZS 4200.1
Installation Standard	AS/NZS 4200.2
Mandatory Properties	
Vapour Resistance	Class 4
Water Barrier	Passing 4201.4
Flammability index	BAL Low = no requirements
	BAL 12.5 & BAL 19 = NOT MORE THAN 5

*sarking products are unsuitable if classed as a "Non-water Barrier" as per AS/NZS 4200.1 clause 5.3.5. and will void the Weathertex product warranty.

Recommended Vapour Permeable Membrane Products

The permeability and vapour resistance of materials should be considered in the context of their application. The designers/architects/engineer should consider strategies to mitigate condensation risks in the design with relevance to local climate conditions. Suitable membrane products for moisture control in hot wet and humid conditions (Climate Zone 1) should be discussed with the membrane manufacturer.

Bradford™ enviroseal™	PROCTORWRAP LET YOUR BUILDING BREATHE	Product: Enviroseal Proctor Residential (RW) OR Commercial (CW)	
Ametalin Performance insulation for a greener world	Brane® VHP Water Barrier Class 4 Vapour Permeable	Product: Ametalin BRANE® VHP Wall Wrap	

Weathertex and Termite Protection

The NCC specified the requirements for termite barriers. All of these requirements must be satisfied. Where the exposed slab edge is used as a part of the termite barrier system, a minimum of 75mm of the exposed slab edge must be visible to permit ready detection of termite entry.

Weathertex currently provides a warranty which protects against a variety of conditions including (but not exclusive of) the product supplied being fit for purpose, and will not rot, split or crack. In addition to this, Weathertex is warranted against termite attack, provided the following conditions are adhered to.

A termite mitigation plan complying with all local, state and federal requirements and best-practice guidelines must be in place and maintained from the time that the Weathertex is delivered to site and for the life of the product. Provided that the plan and its maintenance can be demonstrated, the normal Weathertex warranty at the time of purchase will apply to the Weathertex.

Blackbutt　　Standard　　Red　　Weathertex
　　　　　　　Hardwood　Mahogany

Samples removed from Termite Test

After 2.5 years exposure

Painting and Maintenance Pre-primed Products

Primer:

Weathertex factory primer is designed to be painted within 60 days of installation. Failure to do so can result in poor topcoat adhesion and will void warranty. Lightly sand any nibs or blemishes which have occurred during fixing. Sawn edges, holes and countersinks must be re-primed with high quality tannin blocking exterior primer (solvent based). A spray primer is the most efficient method. It is also good practice to prime any timber mouldings, including corner stops and trims.

Trimtec aluminium accessories are protected by an anodised coating and can be left unpainted if desired. Due to their smooth surface, aluminium accessories should be etch primed if a topcoat is to be applied.

Surface Preparation - Cleaning & Washing:

Clean surface of primed Weatherboard Panels using a soft broom or soft lint-free cloth and wash down with sugar soap to remove salt, dirt, dust and grease or airborne contaminates. Do not vigorously scrub the surface nor use an abrasive or strong cleaning agent as you may burnish the paint surface and mark the primer finish. Wash down with fresh water and dry the surface with one final wipe using a soft dry lint-free cloth in the direction of the paint flow. Do not use high pressure washers as this can cause coating damage and water ingress into the wall cavity.

Not allowing the house dry before painting is a common cause of paint failure. Failure to clean the surface may result in poor adhesion with topcoat and may void warranty.

Painting:

The primed surface of Weathertex Weatherboards and Panels are suitable for the application of exterior grade water or solvent based topcoat paint systems. It is recommended to apply selected coating to a test area to confirm suitability. If compatibility of the selected topcoat is an issue, the surface may be primed with a suitable tannin blocking exterior primer per the coating manufacturer's recommendation before painting.

When top coating, apply a minimum of two coats of paint in accordance with the paint manufacturer instructions for mixing, film build, coverage and drying between coats. Temperature and wet weather will affect curing of coatings and consideration of site conditions at the time of painting is essential to ensure proper curing and adhesion. Paint additives may adversely affect the coating adhesion and durability and should only be used with the endorsement of the coating manufacturer.

Paint Colour:

Weathertex hardboard products have 50 years proven durability in the harshest of climate zones. While there is no restriction on the vast array of colours to paint your home, it is important to understand the effect paint colours can have on the performance of construction products.

As Weathertex is a timber product, its dimensions will expand and contract with changes in moisture content. Dark paint colours can allow surfaces in warmer climates to become very hot in direct sunlight leading to loss of moisture and subsequent shrinkage of the Weatherboard. Selection of light paint colours with high Light Reflectance Values (LRV) will lead to better thermal efficiency of the building, improve the maintenance cycles of paint coatings and sealants while minimising the thermal expansion and contraction of all construction components.

Maintenance:

The extent and nature of maintenance will depend on the geographical location and exposure of the installation. Regularly wash the painted surface with mild soapy water to remove dirt and grime to improve the performance of the coating. Never use high pressure washers as this can cause coating damage and water ingress into the wall cavity.

Thoroughly inspect topcoat paint work at the end of year 1 and repair areas of damage/coating breakdown according to the original paint specification or approved equivalent. Repeat inspection process at year 5 and based on the results of this condition survey make a decision on future maintenance actions, which may include touch up/repair of areas or a full re-coat.

Additional basic maintenance tasks include but are not limited to; controlling vegetation and garden beds close to the installation, keeping gutters and pipes clear, addressing potential moisture damage due to overflows and replacement of penetrations, flashings and sealants used in installation as required.

Generally, exterior surface coatings deteriorate by chalking rather than flaking. When repainting becomes necessary and the surface is unbroken, remove loose chalk by lightly sanding and follow the preparation steps above. Reapply new coatings in accordance with the paint manufacturer's instructions.

Natural Products

The Weathertex Natural Range are uncoated hardwood timber products that will fade to a rustic grey with UV exposure just like raw timber. Manufactured with a mixture of native Australian eucalypt species, the original colour and greying process can vary due to the seasonal variation of harvesting areas.

Weathertex Natural may be left raw to grey off, be coated with a quality decking stain to maintain the rich appearance of new timber / coated with a controlled erosion stain for timber to mimic greying off if coated and maintained as per below.
NOTE: Painting natural board with a standard top coat (paint) finish or a clear coat will void the manufacturer's warranty. If a top coat finish is to be applied, it must be onto Weathertex's pre-primed products.

Surface Preparation - Cleaning & Washing:
After installation, prepare the surface by removing dust and contaminants with an Oxalic Acid based timber cleaner solution such as Cabots Deck Clean or Intergrain Reviva. A soft broom or cloth may be used to gently scrub all surfaces. Wash down with fresh water and allow to completely dry. Not allowing the board to dry before coating is a common cause of coating failure. Failure to properly prepare the surface may result in poor adhesion and may void the coating manufacturer's warranty. Never use high pressure washers as this can cause coating or even board damage and water ingress into the wall cavity.

Coating with a Stain:
Apply 2-3 coats minimum of a recommended water based deck stain in accordance with the coating manufacturer's application instructions. It is best to brush apply coatings to ensure proper penetration into the woodsman featured surface. Cutting in should be performed after the first coat is applied to avoid a dry-line border in the finish.

Weathertex Natural may also be left to lighten before staining for different colour results. Coating providers offer a wide range of colours that may be used and a test sample should always be performed to confirm colour expectations and performance before coating.

Coating with a controlled erosion Stain product:
Apply a controlled erosion stain such as Grimes & Sons Controlled Erosion Stain in a colour such as Wharf Grey or Swamp Gum in accordance with the coating manufacturers instructions.

Weathertex Natural may also be left to lighten before staining for different colour results. Coating providers offer a wide range of colours that may be used and a test sample should always be performed to confirm colour expectations and performance before coating.
NOTE: Varnishes and clear coats are not suitable for external applications of Weathertex products. They do not provide adequate UV protection, their inflexibility can result in cracking/crazing and when externally exposed can cause irregular and blotchy surface aesthetics. It is the customer's responsibility to confirm coating suitability from the coating manufacturer.

Weathertex Left Natural (uncoated):
Left to weather naturally by the sun, the uncoated timber will lighten and "grey off" over time similar to raw hardwood. The degree and speed of colour change will depend on the intensity of UV exposure. The design of the installation must allow for consistency of sun exposure as shade lines caused by other features will result in colour variation and inconsistent weathering patterns.

When allowed to weather naturally some small black spots on the surface may become more visible. This is carbon which is inherent within raw timber and the manufacturing process. These small black spots are not mould and will not affect the performance or longevity of the product.
NOTE: Natural Products are composed of unsealed natural hardwood timber which may occasionally exhibit tannin bleeding. Consideration must be taken if installing unsealed Weathertex products above porous or light coloured features.

Maintenance:
The extent and nature of maintenance will depend on the geographical location and exposure of the installation. Weathertex may be periodically cleaned with mild soapy water or a timber cleaner such as Cabot's Deck Clean or Intergrain Reviva. Do not use high pressure washers as this can cause coating damage and water ingress into the wall cavity. Additional basic maintenance tasks include but are not limited to controlling vegetation and garden beds close to the installation, keeping gutters and pipes clear, addressing potential moisture damage due to overflows and replacement of penetrations, flashings and sealants used in installation as required.

Thoroughly inspect any coatings at the end of year 1 and repair areas of damage/coating breakdown. Repeat inspection process at year 3 and based on the results of this condition survey make a decision on future maintenance actions, which may include touch up/repair of areas or a full single coat.

Generally, semi-transparent decking stains and controlled erosion stains are softer and less UV resistant than regular exterior paint resulting in a 3 - 5 year recoating cycle. When re-coating becomes necessary follow the preparation and coating steps above. A darker / more opaque stain colour may be required in time to maintain the desired colour of the boards.

Fasteners

The table below displays the minimum length, gauge and head size required for fixing Weathertex products. Where applicable, refer to the High Wind Classification table when selecting a fastener.

Installers must assure themselves that the appearance of the selected fastener is suitable for the intended use. Generally, head sizes in excess of 6mm or T and D head shaped nails may not produce a satisfactory finish on face fixed profiles. For unspecified systems, fixing lengths must be increased to allow for additional packing material.

FIXING TO TIMBER FRAMES[1] - Primed Boards

PRODUCT	TYPE	MINIMUM REQUIRMENTS[2]
DIRECT FIX: CLASSIC & SHINGLES	Hand Nailing	50mm x 2.8mm Weathertex Nail, Hot-Dip Galv
	Gun Nailing	50mm x 2.5mm Ring Shank HDG, or ND50 SS Bradnails[8,9,10]
	Screws	10g x 35mm Class 3
DIRECT FIX: SELFLOK, PRIMELOK, WEATHERGROOVE & ECOWALL	Hand Nailing	50mm x 2.8mm Weathertex Nail, Hot-Dip Galv
	Gun Nailing	45mm x 2.5mm Ring Shank HDG, or ND50 SS Bradnails[8,9,10]
	Screws	10g x 35mm Class 3
WEATHERTEX CAVITY FIX: CLASSIC & SHINGLES	Hand Nailing	60mm x 2.8mm, Hot-Dip Galv
	Gun Nailing	60mm x 2.5mm Ring Shank, Hot-dip Galv
	Screws	10g x 60mm Class 3
WEATHERTEX CAVITY FIX: SELFLOK, PRIMELOK, ECOWALL, RUBIX & WEATHERGROOVE	Hand Nailing	60mm x 2.8mm, Hot-Dip Galv
	Gun Nailing	60mm x 2.5mm Ring Shank, Hot-dip Galv
	Screws	10g x 60mm Class 3

FIXING TO TIMBER FRAMES[1] - Natural Boards

PRODUCT	TYPE	MINIMUM REQUIRMENTS[2]
DIRECT FIX: SELFLOK, WEATHERGROOVE & ECOWALL	Hand Nailing	50mm x 2.8mm, Stainless Steel
	Gun Nailing	ND50 SS Bradnails, 45mm x 2.5mm Ring Shank Stainless Steel
	Screws	10g x 35mm Class 4
CAVITY FIX: SELFLOK, WEATHERGROOVE & ECOWALL	Hand Nailing	60mm x 2.8mm, Stainless Steel
	Gun Nailing	60mm x 2.5mm Ring Shank Stainless Steel
	Screws	10g x 60mm Class 4

FIXING TO STEEL FRAMES[4]

PRODUCT	TYPE	MINIMUM REQUIRMENTS[2]
20MM PINE BATTEN +CLASSIC & SHINGLES	Screws	10g x 60mm Self-Drilling Class 3
20MM PINE BATTEN + SELFLOK, PRIMELOK, WEATHERGROOVE, RUBIX & ECOWALL[10]	Gun Nailing	50mm Gripshank® StructNail
	Screws[10]	10g x 50mm Self-Drilling Class 3[11]
12MM POLYSTYRENE + CLASSIC & SHINGLES	Gun Nailing	50mm Gripshank® StructNail
	Screws	10g x 50mm Self-Drilling Class 3
12MM POLYSTYRENE + SELFLOK, PRIMELOK, WEATHERGROOVE, RUBIX & ECOWALL[10]	Gun Nailing	38mm Gripshank® StructNail
	Screws[10]	10g x 40mm Self-Drilling Class 3[11]

NOTES:

1. Hardwood frames may omit the ring shank requirement for nail fasteners.

2. Minimum requirements for fasteners must be met for performance and wind zone classifications to be applicable. Where specific fasteners are listed in the table, only the specified fasteners may be used in this case. Nails MUST NOT be over-driven. This can reduce the holding capacity of the Weathertex.

3. Wind zone classifications for Bradnails differ from flat head gun nails. See wind zone classification table for further information.

4. Steel frame may be at minimum 0.55mm BMT. Recommended fasteners may not be applicable for steel greater than 1.2mm BMT. See section on steel frame installation.

5. All fasteners must be galvanised or suitably coated to resist corrosion for external application (Australian Standard AS 3566, Class 3 for screws). When installed in high corrosion zones such as coastal locations, fasteners (nails and screws) must be made of materials appropriate to the desired life of the system and geographical location. Stainless Steel Nails and Class 4 Screws may be necessary in these zones. The advice of the fastener supplier should be sought.

6. Drive fixings flush with the plank surface. No punching is permitted. Screws may be driven up to 2mm below the plank surface. Fill holes with a high quality proprietary grade, acrylic-based flexible paintable filler.

7. If using a smart-bit style countersinking tool; the gauge of the screw must match the gauge of the tool to prevent movement issues.

8. Bradnails are not suitable for use with Primelok products or Semi-concealed fixing of Selflok products.

9. Bradnails are not recommended for use on Smooth profiles as the T head may create an undesirable surface finish. Bradnails are an excellent choice for use with Woodsman and Ruff-Sawn profiles.

10. For Natural Board use screw fix only on steel frames.

11. Screws must be Class 4 for natural board

High Wind Areas

The table below displays the maximum allowable wind zone according to frame type, fasteners and fastening pattern used to install Weathertex Weatherboards & Panels. Structural wind loading results have been reported in accordance with AS 4040 and AS/NZS 1170.2.

FRAME	PRODUCT	Fastener	Fixing	Stud Centres(mm)	REGIONS A & B		REGIONS C & D	
					Unlined Wall	Internally Lined	Unlined Wall	Internally Lined
WEATHERTEX WEATHERBOARDS								
Timber	200mm Classic, Rusticated	Weathertex Nails	Traditional	450	N5	N5	C2	C3
				600	N4	N4	C1	C2
	Selflok Weatherboards	Weathertex Nails	Traditional	450	N5	N5	C2	C3
				600	N4	N4	C1	C2
		ND50 Brad Nails	Traditional	450	N4	N5	N/A	C2
				600	N4	N4	N/A	C1
		DUO D31150	Traditional	450	N6	N6	N/A	N/A
				600	N6	N6	N/A	N/A
			Semi-concealed	450	N4	N5	N/A	C2
				600	N4	N5	N/A	N/A
	Wall Shingles	Weathertex Nails	Traditional	450	N5	N5	C2	C3
				600	N2	N2	N/A	N/A
WEATHERTEX PRIMELOK WEATHERBOARDS								
Timber	Federation and Shadowood	Weathertex Nails	Traditional	450	N5	N5	C2	C3
				600	N4	N4	C1	C2
	Primelok 200	Weathertex Nails	Traditional	450	N4	N4	C1	C2
				600	N2	N3	N/A	C1
0.75mm Steel	Federation and Shadowood	FAP32V5	Traditional	450	N4	N4	C1	C2
	Primelok 200	FAP32V5	Traditional	450	N3	N4	C1	C2
1.2mm Steel	Primelok 200	FAP32V5	Traditional	450	N4	N5	C2	C3
WEATHERTEX ARCHITECTURAL PANELS								
Timber	Architectural Panels - Joined ON stud	Weathertex Nails	Traditional	450	N5	N5	C2	C3
				600	N3	N4	N/A	C2
		ND50 Brad Nails	Traditional	450	N3	N3	N/A	C1
				600	N2	N2	N/A	N/A
	Weathergroove - Joined OFF stud	Weathertex Nails	Traditional	450	N4	N4	C1	C2
				600	N2	N3	N/A	C1
		ND50 Brad Nails	Traditional	450	N3	N4	N/A	C2
				600	N2	N3	N/A	C1
0.75mm Steel	Architectural Panels - Joined ON stud	FAP32V5	Traditional	450	N4	N5	N/A	C2
	Weathergroove - Joined OFF stud	FAP32V5	Traditional	450	N4	N5	N/A	C2
1mm Steel	Architectural Panels - Joined ON stud	DUO D31150	Traditional	450	N6	N6	N/A	N/A
				600	N6	N6	N/A	N/A

NOTES:

1. Wind classifications are as defined in AS4055 "Wind Loads for Housing" and calculations use a local pressure factor for planks within 1200mm of the building corner.
2. Tests results have been conducted using the specific fastener stated in the table
3. Wind classification results are applicable for direct and cavity fix where fastener length is increased for the thickness for the packing materials.

Installing Weathertex onto a steel frame is generally similar to installing Weathertex on a timber frame. There is however some differences of which the installer must be aware and the following section outlines the technical information unique to steel frame installation.

Fasteners

Appropriate fasteners must be used when installing onto steel frames. See the Fasteners Section and High Wind Area Section to select the correct fastener. Do not tap home under-driven gun nails as this can break the holding power of the fastener. Incorrectly shot nails should be removed and refastened at least 15mm away from the original fastener position.

Thermal Breaks

Since 2007 there has been a Thermal Break provision within the Energy Efficiency requirements of the NCC. The provision is included to prevent thermal bridging across the wall cavity. Thermal bridging is a leakage of heat through a conductive path such as metal framing. Thermal bridging causes a reduction in the overall R-value of the wall system, significantly reduces the efficiency of the building's heating and cooling systems and can lead to condensation problems in the wall cavity.

In accordance with the NCC a thermal break with R-value no less than 0.2 must be installed between the Weathertex external cladding and the metal framing members to separate both elements.

When installing Weathertex Weatherboards, thermal break battens must be installed on to all studs. When installing Weathertex Sheets or Architectural Panels, thermal break battens must be installed onto all studs and noggings. Butt-join the stud battens leaving a 5mm gap while also leaving 20mm gaps between nogging battens.

Weathertex recommends the following two options as suitable thermal breaks:

Softwood Timber Battens

Softwood timber battens are easily installed to provide a suitable thermal break between Weathertex and a steel frame. The softwood timber battens shall be 20mm deep and wide enough to cover the face of the frame. For example if 70x35mm steel frame is chosen, the battens shall be 20x35mm at suitable length.

A breather membrane must be installed between the steel frame and battens; see section on Wall Sarking Requirements. The membrane can be secured by the timber battens as they are installed along a wall. Final fixings will hold battens firmly in place but they must be temporarily fixed to the frame at 600mm centres before the cladding can be installed.

Extruded polystyrene strips

Extruded polystyrene strips are an alternative to softwood timber battens for a thermal break solution. The extruded polystyrene strips shall be 12mm deep and wide enough to cover the face of the frame. For example if a 70x35mm steel frame is chosen, the battens shall be 12x35mm at suitable length.

A breather membrane must be installed between the steel frame and battens; see section on Wall Sarking Requirements. The membrane must be held in place temporarily, using suitable fasteners, before the battens and the Weathertex are installed

Nails or screws cannot be used to secure expanded polystyrene strips to the frame. Instead, double-sided adhesive tape or construction adhesive is suitable to hold the strips in place on the frame. Final fixings will hold extruded polystyrene strips firmly in place.

Cavity Closer

To protect against vermin and other material entering the cavity, the base of the cavity must be sealed using the Weathertex Large or Small Cavity Closer. A cavity closer must be installed at the base of the wall and above window heads and inter-storey flashings. The bottom of each batten is inserted into the cavity closer.

• Use 20mm Large Cavity Closer when using 20mm softwood timber thermal break battens (Applicable for all products)

• Use 20mm Large Cavity Closer when using polystyrene thermal break strips (Option for Primelok and Classic products only)

• Use 10mm Small Cavity Closer when using polystyrene thermal break strips (Applicable for all products)

Fix the cavity closer to the base plate at 300mm centres. Butt-join cavity closers as required and ensure the closers are fixed in a straight, level line. It is important that the openings in the cavity closer are kept clear and unobstructed to allow free drainage and ventilation of the cavity.

Installing Your Weathertex on a steel frame system

Once the wall has been battened out, Weathertex's product specific standard fixing instructions shall be followed to install the cladding on to the frame. In the case of installing Weathertex Primelok Weatherboards, this includes fixing a Weathertex Primelok Starter strip. The bottom edge of the starter strip must not be above the bottom edge of the cavity closer.

Steel Frame

Step 1
Install vapour permeable membrane

Step 3
Install Thermal Break Battens on Stud

Note
Battens on Noggins for Architectural Panels

Step 2
Install Cavity Closer
* See Details

Step 4
Install Weathertex as per Standard Instructions

Ensure required ground clearance and slab overlap is maintained (refer to general requirements)

12mm Polystyrene Thermal Break

Selflok

20-50mm

Small Cavity Closer

12mm Polystyrene Thermal Break Selflok

20mm Pine Thermal Break

Selflok

Large Cavity Closer

20mm Pine Thermal Break Selflok

20mm Pine Thermal Break

Primelok

Large Cavity Closer

Primelok Starter Strip

20mm Pine Thermal Break Primelok

12mm Polystyrene Thermal Break

Primelok

Large Cavity Closer

12mm Polystyrene Thermal Break Primelok

Preparation

Minimum requirements for fasteners must be followed when installing the Weathertex Cavity System. See the Fasteners Section when selecting appropriate fasteners.

Vapour permeable membrane must be installed between the timber frame and battens; see section on Wall Sarking Requirements. The membrane can be secured by the timber battens as they are installed along a wall.

Care should be taken when installing bulk insulation to ensure the stud cavity is not over-filled. Over filling the stud cavity with bulk insulation will impinge in the cavity created by the cavity battens and hence reduce its effectiveness, and may void warranty.

Cavity Battens

Cavity battens provide the separation between the vapour permeable membrane on the wall frame and the cladding. Weathertex provides and recommends the use of Weathertex Cavity Battens which are 1200 x 45 x 9.5mm. Check your local regulations and/or certifiers for recommended batten thickness. If using battens other than Weathertex supplied cavity battens, fastener lengths should be increased by the batten depth.

When installing Weathertex Weatherboards cavity battens must be installed onto all studs. When installing Architectural Panels, cavity battens must be installed onto all studs and noggings. Cavity battens must be fastened to framework at a minimum of 600mm centres. Butt-join the stud battens leaving a 5mm gap while also leaving 20mm gaps between nogging battens to allow for drainage of any moisture.

Cavity Closer

To protect against vermin and other material entering the cavity, the base of the cavity must be sealed using the Weathertex Large or Small Cavity Closer. Designed not to interrupt airflow in the cavity, a cavity closer must be installed at the base of the wall, above window heads, inter-storey flashings and at other points where a cavity is created by the design. The bottom of the battens is inserted into the cavity closer.

• Use 20mm Large Cavity Closer for: Classic and Primelok Weatherboards

• Use 10mm Small Cavity Closer for Selflok Weatherboards, Weathergroove

Fix the cavity closer to the base plate at 300mm centres along the closer with 30 x 2.8mm flat head galvanised nails. Butt-join the cavity closers and ensure they are fixed in a straight, level line. It is important that the openings in the cavity closer are kept clear and unobstructed to allow free drainage and ventilation of the cavity.

To provide the best protection for your wall against moisture and mould related problems Weathertex highly recommends the use of a cavity fixing system. Fixing over the Weathertex cavity system provides the best defence for your internal lining, frame, insulation and cladding against sick home syndrome. A cavity system creates a space within the wall that allows airflow to remove any moisture that accumulates in this space either from wind driven rain or condensation.

Installing your Weathertex on the Cavity System
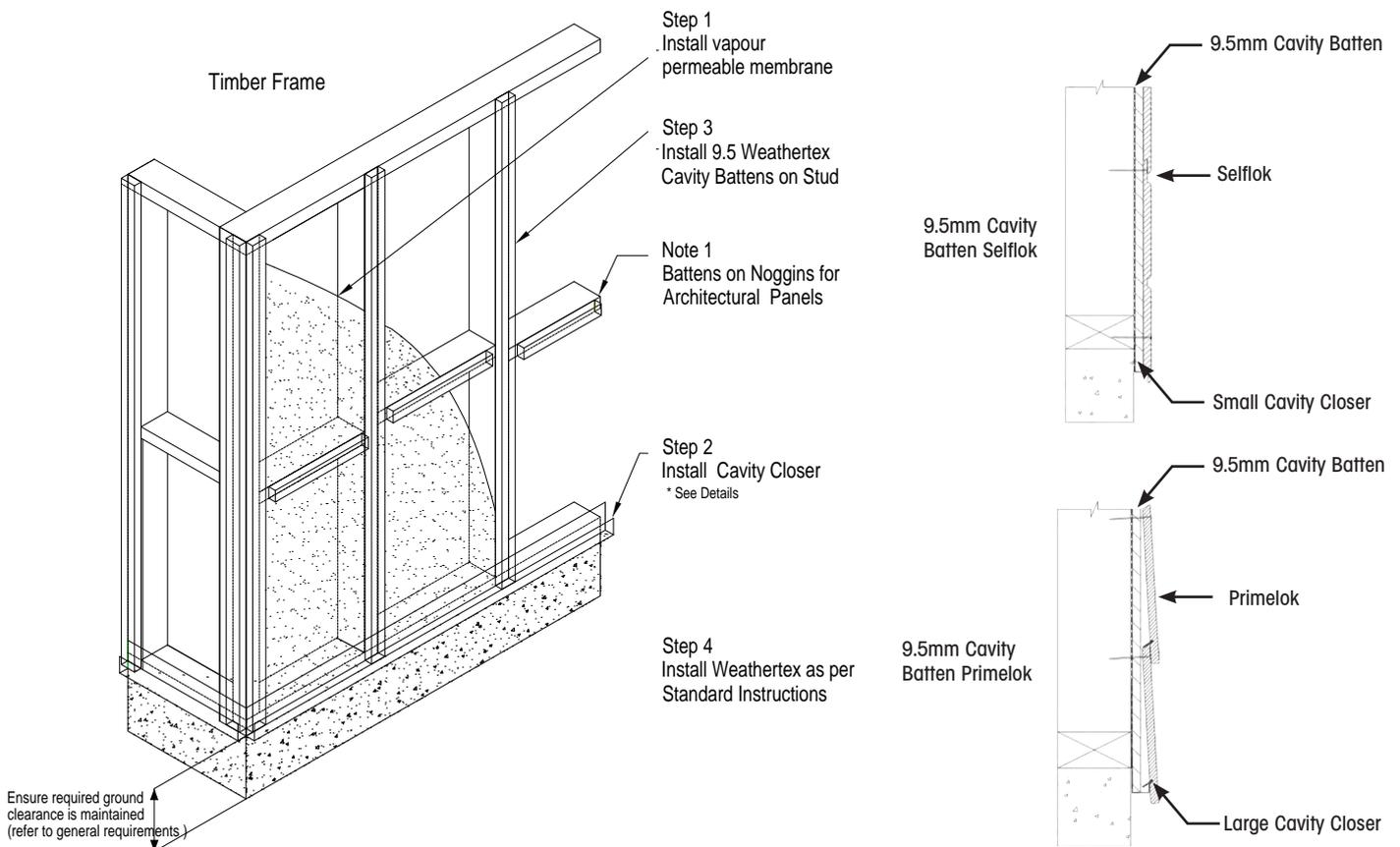
Joining Details - CLASSIC & PRIMELOK WEATHERBOARDS

As a natural timber product, Weathertex inherently expands and contracts with changes to its moisture content. To accommodate this movement, Weathertex's traditional joiners have been designed to provide the correct spacing between adjoining planks, and cover changes in dimensions of the product. For walls greater than 11m long, engineers/designers must assess additional requirements for frame and cladding control joints.

Any cut ends must be primed with a solvent based exterior wood primer or an acrylic tannin resistant wood primer.

NOTE: Avoid penetrating PC/ABS joiners with fixings during the installation process. This may cause the joiner to crack after the installation. Where necessary predrill the fixing position through the joiner prior to fixing. Also avoid positioning fixings directly opposite each other across a join as this too may cause joiner damage after installation.

Using traditional joiners

Form joins between Weatherboard ends using the relevant joiners for the selected profile - refer to the Accessories Section. Stagger joins randomly or brick lay throughout the wall with joins being formed midway between the studs. When fitting the joiner, bring the ends into moderate contact with the splayed edges or nibs within the joiner. Do not force ends tightly together. Simply cut joiners to fit at window heads, sills and eaves as required.

NOTES:

1) On the first row of Weathertex Rusticated remove leg gauge from the back of the joiner

2) To fit joiners to cut ends of Primelok Weatherboards it is necessary to trim back the plastic spline

Images showing Classic smooth and Ruff-sawn joiners

Using Concealed Joiners

Weathertex also provides concealed joiners. Concealed joiners have been designed with a gap that will accommodate most changes in the dimensions of the product. The joiner is flashed on the rear of the Weathertex product to prevent water penetrating into the cavity.

1. Insert the primed end of the Weatherboard into the concealed joiner, resting the bottom edge on the base and locking into position under the top flange. The edge of the Weatherboard should be in moderate contact with the centre nibs within the joiner. Do not force ends tightly together. The top flange will be hidden by the overlap of the board.

2. Insert the primed end of the next Weatherboard into the other side of the joiner against the centre nibs. A 6mm gap will be left when both ends are in contact with the centre nibs.

3. Fasten the Weatherboard to the wall at each stud in accordance with product requirements. Ensure nails do not pass through joiner.

4. Insert a length of appropriately sizes Gap Filler Rod into the joint up against the face of the concealed joiner.

5. Using a caulking gun, run a line of quality, highly flexible, paintable polyurethane sealant up the length of the concealed joiner. Always follow the sealant manufacturer's application instructions.
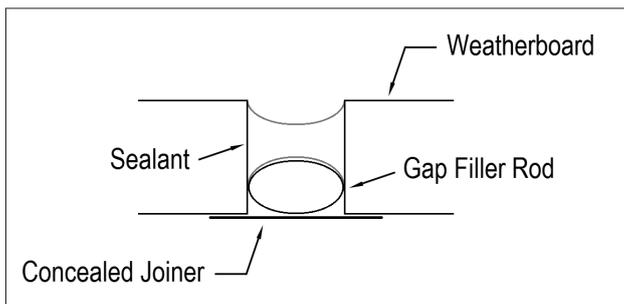
Gap Filler Rod Diagram

Photo showing 200mm Concealed Joiner

NOTE: When using sealant, movement in the planks may result in visible bulging or concaving of the sealant. In some cases, such as where extreme changes in moisture have occurred, the sealant may pull away from the board leaving a crack between the sealant and the board. This movement will not affect the performance or water tightness of the join, though it may be aesthetically displeasing. If this would cause an issue, Weathertex recommends the use of the traditional joiner.

SELFLOK PLANK JOINING OPTIONS:

Pre-primed Weatherboards - Traditional Plank Joiners:

Form off-stud joins between Weatherboard ends using Weathertex Traditional PC/ABS Plank joiners.

• Each profile has its own moulded joiner to suit the particular product, refer to "Accessories" section.

• Form joints midway between studs and stagger randomly throughout the wall.

• Between each stud, joints must be supported by a continuous plank above and below (i.e. joiners may only align every second row).

• Reprime all cuts before forming joints. It is advisable to prepaint plank ends when using Traditional Joiners to avoid white lines either side of the Accessory after product contraction in dry conditions.

• Joiners may be cut to fit at heads, sills and eaves.

1. Fit joiner to an installed plank. Nibs in the joiner correctly space the control joint - do not force tight to prevent breaking the nibs.

2. Rest the next plank on the plank below and firmly slide board across into the joiner.

3. Joiners provide a tight fit to the board. A hand plane may be used to skim the back corner of the joining edge in the case of tight joints.

Pre-primed Weatherboards - Trimtec Long Vertical Joiner:

For quick and sleek installation, align weatherboards to form a single vertical off-stud control joint using the Trimtec Long Vertical Joiner.

• Joiner must be supported by noggings at 600mm centres or positioned on a double stud.

• Joiner may be etch primed and painted or left as the original uncoated anodises aluminium finish.

1. Attach the aluminium joiner to the stud frame through the back flange at 1200 centres with a flat head nail.

2. Nibs in the joiner provide correct control joint spacing. Do not install tight to the nibs.

3. Planks may be slightly bowed to fit between two vertical joiners or slid in place from the top before fastening off.

Natural unprimed Weatherboards:

Natural unprimed Selflok products do not use PC/ABS plank joining accessories. The following joining options are available for Selflok Natural product but may also be used for preprimed board. Refer to construction details on the next page.

• Trimtec Long Vertical Joiner - planks aligned in a single vertical joint (as above).

• Butt joint on stud - 3mm back flashed control gap.

• 45° Mitre joined on-stud - back flashed slip joint.

NOTES:

1. Butt-joints may not be suitable for long walls greater than two full planks, particularly in very dry or very wet climates or walls in full sun.

2. Expansion and contraction of timber with relative humidity can cause butt/mitred control joints to open and close after installation. If the aesthetic of open butt joints is an issue for the specific application, Weathertex recommends the Trimtec Long Vertical Aluminium Joining method.

OFF STUD TRADITIONAL JOINER DETAIL

NOTE: VERTICAL JOINT SUPPORTED BY 600m CENTRE NOGGINGS

LONG VERTICAL JOINER DETAIL

ON STUD BUTT JOIN DETAIL

ON STUD MITRE JOIN DETAIL
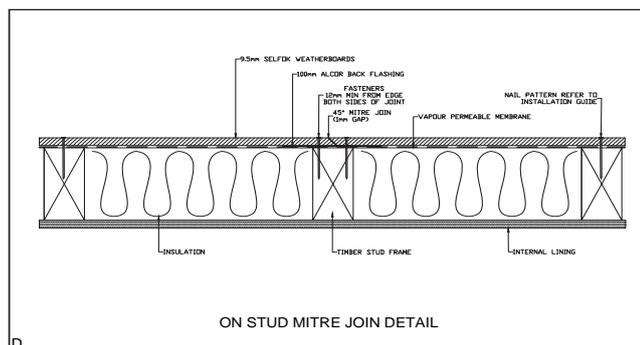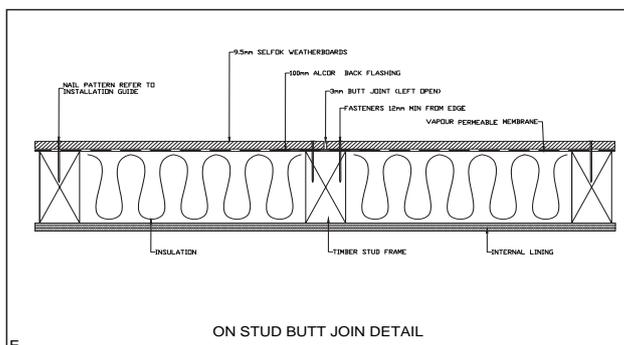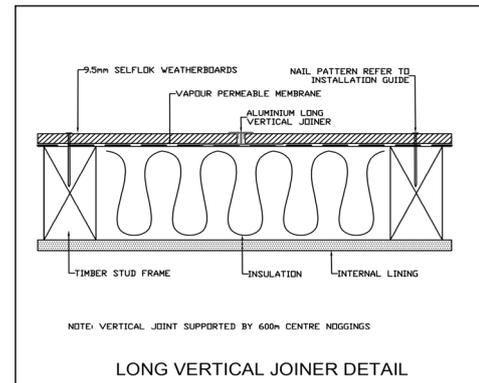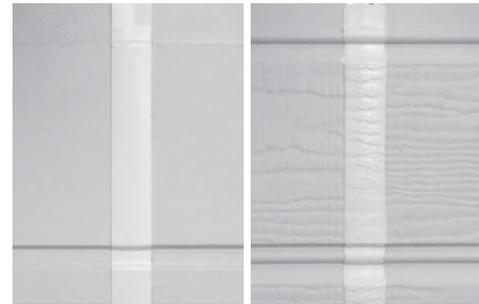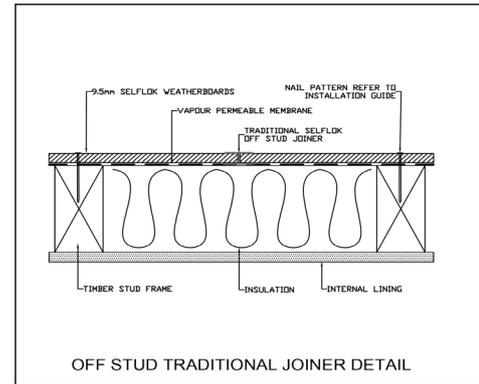
INSTALLATION METHODS

The following product specific installation instructions are applicable to steel and timber frames for both direct fix and cavity systems. Fixing instructions are to be used in conjunction with information and requirements given in previous sections. Preparation for cavity fix and steel frame installation are given in previous sections. Additional drawing details are located on the Weathertex website (www.weathertex.com.au).

Installation OF CLASSIC WEATHERBOARDS

Set a horizontal datum or base line around the perimeter of the building. Measure the wall height from the datum and determine the number of Weatherboard rows. Minimum overlaps are 20mm for classic and 25mm for rusticated planks. Row heights around corners should be checked as work progresses to prevent creep.

First Row: Fix a 35mm x 9.5mm strip of Weathertex Weatherboard 5mm up from the datum. Level the bottom edge of the Weatherboard with the datum line. Fasten the bottom edge through the Weathertex strip into the timber framing. Fit joiners as work proceeds.

Successive Rows: Use the storey rod, lap gauge or Joiner to position Weatherboards and maintain uniform rows. Check rows for level. At laps, fasten through both Weatherboards into the stud. One fastener per stud, located at least 12mm from edges and ends.

Drive fixings flush with the plank surface. No punching is permitted. Screws may be driven up to 2mm below the plank surface. Fill holes with Polyfiller Large Cracks or equivalent flexible, paintable timber filler. Solvent based or two-part fillers such as epoxy are not suitable and cannot be used.

NOTE: Primelok weatherboards should not be fixed in this manner - see installation of Primelok weatherboards

Top plate

Stud

Sofit Lining

Quad

Classic

Vapour permeable membrane

Bottom plate

Concrete slab

35 mm Weathertex strip

Ensure required ground clearance is maintained (refer to general requirements)

Step 2
Install windows and appropriate flashings for all penetrations and openings. Refer to NCC requirments

Step 1
Check and straighten sub-structures as required

Step 3
Install vapour permeable membrane

Step 5
Install the first row of Classic weatherboards

Step 6
Install sucessive rows maintainig level and uniform rows

Fix 12mm from edges and ends

Step 4
Install a 35 x 9.5mm strip of Weathertex board as a starting strip

Note
Off stud joining accessories available

Traditional Fix
Classic

Ensure required ground clearance is maintained (refer to general requirements)

Set a horizontal datum or base line around the perimeter of the building. Fix the Weathertex Primelok Starter Strips to the frame butt joining successive lengths so that the bottom edge of the strips are at the required level for the full length of the wall. When installing on a Weathertex Cavity System, the Large Cavity Closer is used as a starter strip instead of the Primelok Starter Strip.

First Row: Position the first Weatherboard so that the spline locks over the starter strip. Press the Weatherboard down into the strip and fasten along the top edge of the board to every stud. Keep fasteners 15mm from the top edge so that they will be hidden by the overlapping board above and fit joiners as work proceeds. To fit joiners to cut ends, trim back the spline on the back of the Weatherboard using a hacksaw or sharp knife.

Successive Rows: Simply position each Weatherboard so that the spline locks over the splayed top edge on the preceding row. Commence fixing at one end of the Weatherboard pressing down to fully engage the boards and fix along the top edge at every stud. Alternatively, start midway along the Weatherboard and work outwards towards the ends. Keep fasteners 15mm down from the top edge so that they will be hidden by the overlapping Weatherboard and check rows for level.

NOTE: The Primelok plastic spline can flex up to 2mm under pressure and care must be taken in measuring row heights as work progresses to avoid misaligned rows at corners.

No punching is permitted. Screws may be driven up to 2mm below the plank surface. Fill holes with Polyfiller Large Cracks or equivalent flexible, paintable timber filler. Solvent based or two-part fillers such as epoxy are not suitable and cannot be used.

NOTE: Bradnails are not suitable for use with Primelok Products.

Top plate

Stud

Soft Lining

Quad

Vapour permeable membrane

15mm

Primelok

Traditional Fix
Primelok

Bottom Plate

Primelok over hang 20-50mm

Concrete Slab

Step 1
Check and straighten sub-structures as required

Step 2
Install windows and appropriate flashings for all penetrations and openings. Refer to NCC requirments

Step 3
Install vapour permeable membrane

Step 5
Install first Primelok. Ensure Primelok sits correctly in the metal starter strip

Step 6
Install successive rows maintaining level and applying pressure to fully engage the spline over the sprayed top edge of each board while fastening

Step 4
Install Primelok metal starter strip

Note
Off stud joining accessories available

Ensure required ground clearance is maintained (refer to general requirements)

Installation SELFLOK WEATHERBOARDS

NOTE: This section applies to the standard pre-primed Selflok Weatherboards. For Natural Woodsman Selflok products see the Section on the Installation of Natural Weatherboards.

Traditional Fix

First Row: Set a horizontal datum or base line around the perimeter of the building. Rest the bottom edge of the first row of Weatherboards on datum line. Row heights around corners should be checked as work progresses to prevent creep. **Note:** for slab construction the plank may overhang the slab surface by 20-50mm. Fasten Weatherboards with two face fasteners at each stud keeping fasteners 12mm minimum from ends, 30mm up from lower Weatherboard edges and approximately 140mm apart. Fit joiners as work proceeds.

Successive Rows: Rest the rebated edge of Selflok Weatherboards on the row below. Ensure there is proper engagement of the Selflok by applying downward pressure while fastening. Fix with two fasteners at each stud keeping fasteners 12mm minimum from ends, 30mm up from lower Weatherboard edges and approximately 140mm apart.

Drive fixings flush with the plank surface. No punching is permitted. Screws may be driven up to 2mm below the plank surface. Fill holes with Polyfiller Large Cracks or equivalent flexible, paintable timber filler. Solvent based or two-part fillers such as epoxy are not suitable and cannot be used.

Selflok Semi Concealed Fix

In some Wind Areas (see Sections: Fasteners and High Wind Areas) Selflok Weatherboards can also be fixed with one fixing concealed. In this case, one fixing must be placed 30mm from the bottom edge of the plank and the second placed 15mm below the top edge of the plank. The latter fixing is concealed by the plank above when it is installed. All other factors of installation are according to Traditional Fix instructions above.

NOTE: Bradnails may not be used for Semi-Concealed fixing. Semi-concealed fixing is not appropriate for steel frame construction when using nail fasteners.

Top plate

Stud

Soft Lining

Quad

Vapour permeable membrane

Selflok

Selflok

15mm

140mm

30mm

30mm

Traditional Fix

Semi-concealed Fix

Selflok

Bottom Plate

Concrete Slab

Selflok Max. over hang 20-50mm

Step 1
Check and straighten sub-structures as required

Step 2
Install windows and appropriate flashings for all penetrations and openings. Refer to NCC requirments

Step 3
Install vapour permeable membrane

Step 4
Install the first row of selflok weatherboards. Plank may overhang slab at maxium 20 - 50mm and must be isolated from masonry

Step 5
Install successive rows maintaining level and applying pressure to fully engage the selfloking edge while fastening

Note
Off stud joining accessories available

Ensure required ground clearance is maintained (refer to general requirements)

Installation OF NATURAL WEATHERBOARDS

The Natural Weatherboard Range must be fixed according to the Traditional Fix instructions for Selflok Weatherboards. Traditional PC/ABS joiners are not suitable for the Natural Range. A joining option satisfying the desired finish should be chosen from the 'Natural unprimed Weatherboards' heading within the 'Joining details – Selflok' section. Where applicable by wind zone and frame type, ND50 S.S. Bradnails are the preferred fastener for Natural products. Bradnails provide a near hidden fixing due to the low profile head. Other types of fasteners may not provide an appropriate aesthetic for the Natural surface finish. Fasteners must be stainless steel or Class 4 if screws.

NOTE: Natural Products are composed of unsealed natural hardwood timber which may occasionally exhibit tannin bleeding. Consideration must be taken if installing unsealed Weathertex products above porous or light coloured features.

Installation OF WALL SHINGLES

First Row: Set a horizontal datum line to align the first row. Allow a minimum overlap of 40mm. Fix a 35mm x 9.5mm strip of Weathertex 25mm up from the datum. Level the bottom edge of the board with the datum line. Fasten the bottom edge through the Weathertex strip into the timber framing. Fit Shingle joiners as work proceeds.

Joining: Form joins progressively with 6mm shingle joiners that fit the rebated ends of the board. Do not force ends tightly together. Where possible, locate joins over studs. If joining between studs, fasten each adjoining shingle to at least two studs. Stagger joins throughout the wall.

Successive Rows: Use the storey rod, lap gauge or Joiner to position Weatherboards and maintain uniform rows. Check rows for level. At laps, fasten through both Shingles into the stud. Use one fastener per stud, located at least 12mm from edges and ends.

Drive fixings flush with the plank surface. No punching is permitted. Screws may be driven up to 2mm below the plank surface. Fill holes with Polyfiller Large Cracks or equivalent flexible, paintable timber filler. Solvent based or two-part fillers such as epoxy are not suitable and cannot be used.

# Installation OF WEATHERGROOVE (PRE-PRIMED) PANELS

OFF-STUD INSTALLATION STEPS:

1. For general framing requirements and construction details refer to sections covered under 'General Requirements - All Products.' The following installation instructions apply whether fixing over the Weathertex Cavity Wall System or choosing to Direct Fix to timber or steel framing.

2. Establish a horizontal datum or base line at least 6mm below the base of the frame.

3. Plan sheet layout so off-stud joints occur mid span between studs and are supported by noggings at maximum 750mm centres.

4. It is standard to start at a corner with a cut sheet to satisfy Point 3. Inset the cut edge into the corner accessory, align the bottom edge with the datum and use a single fastener to temporarily hold the sheet.

5. Adjust the sheet so that the sheet grooves are vertically level before fixing off temporarily with a fastener at the opposite corner.

6. Slide the Weathergroove Joiner onto the rebated vertical joining edge and fasten off through the exposed back flange at the top and bottom plate and the centre nogging with a flat head or screw (this will stop the joiner slipping after installation).

7. If z-flashings are required at the top of the sheets for a horizontal joint, install the accessory first before fastening off the top edge of sheets.

8. Sheets must be fastened at 150mm centres across the top and bottom plates and at studs closest to both vertical sheet edges. All intermediate studs must be fastened at 300mm centres. A fastener must be placed at each joining edge nogging 50mm in from the sheet edge. Note: Perimeter fixings should be a minimum of 12mm from the sheet edge and not be placed in the sheet grooves.

9. Install successive sheets in the same way using the Weathergroove Joiner for vertical joints and the Z-flashing for horizontal joints.

600mm Maximum Stud Centres. Where required, Install cavity battens over flexible building wrap. See Installation Cavity Wall System section. Note: Cavity battens have been omitted from diagram for clarity.

Horizontal joints between sheets use the Z-flashing Accessory and must be supported by a double plate, row of double noggings or a rotated 90x45mm nogging to achieve a 90mm back block.
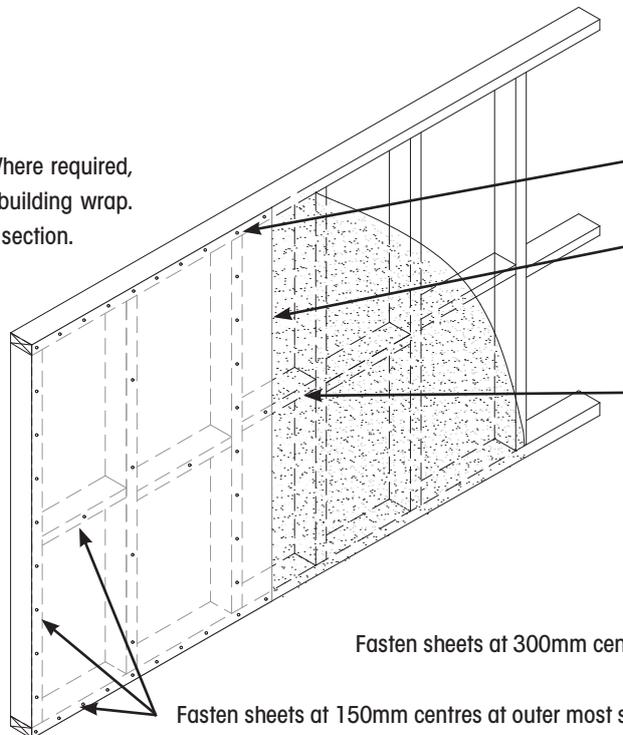
150mm fastener centres at top and bottom plates.

Vertical joints are located midspan between studs and joined with the Weathergroove Joiner Accessory.

Vertical joints must be supported by noggings at maximum 750mm centres. Fasten at every nogging 50mm in from the joining edge.

Weathergroove must only be installed with grooves in the vertical direction. For horizontal groove designs, see Selflok Ecogroove installation.

Fasten sheets at 300mm centres at intermediate studs.

Fasten sheets at 150mm centres at outer most studs and top and bottom plates.

Horizontal Joints:

1. Horizontal joints must utilise a z-flashing accessory which is supported by a 90mm back block to enable top and bottom edge fastening of all sheets.

2. Fit z-flashings to the top edge of each sheet butt joining successive lengths as required.

Vertical Joints:

Weathergroove has a unique rebated edge that forms a regular hidden groove when joined with the Weathergroove Joiner. When joining panels:

1. Vertical joints must be supported by minimum 750mm noggings.

2. Inset the Weathergroove joiner onto the rebated edge of an installed sheet.

3. Use a single flat head nail through the back flange of the joiner at the top and bottom plates and the centre nogging to pin the joiner in place.

4. Loosely fit the next Weathergroove sheet into place to form the vertical joint and follow the above installation steps to fasten off.

Installation OF WEATHERGROOVE NATURAL PANELS

Weathergroove Natural can also be butt joined on stud with an Alcor or equivalent flashing behind. This flashing must be fully supported. This can be achieved by using a double stud (90mm x 45mm) or by turning one standard stud on its side increasing the face size. Once the vapour permeable membrane is in place over the frame, install the Alcor or equivalent flashing to the double stud areas. Weathergroove Natural can now be installed off-stud using the Aluminium Weathergroove Joiners. For this method please refer to the pre-primed section.

ON-STUD INSTALLATION STEPS (FOR NATURAL WEATHERGROOVE ONLY):

Preparation

Additional Frame Preparation Steps:

1. For general framing requirements and construction details refer to sections covered under 'General Requirements - All Products.'

2. Framing must be planned so all vertical joints occur on double studs or a rotated 90mm timber back block.

3. Install 100mm wide Alcor bitumen flashing at each planned fully supported vertical joint.

Panels Installation Steps:

1. Establish a horizontal datum or base line at least 6mm below the base of the frame.

2. Install corners to frame.

3. Before installing the first panel, run a 5mm bead of flexible sealant along the length of the Alcor flashing to seal the edge of the Weathergroove panel.

4. It is standard to start at a corner with a cut panel to ensure the first joint is located on the planned double stud supports. Insert the cut edge into the corner accessory, align the bottom edge with the datum and use a single fastener to temporarily hold the panel.

5. Adjust the panel so that the grooves are vertically level before fixing off temporarily with a fastener at the opposite corner.

6. If z-flashings are required at the top of the panels for a horizontal joint, install the accessory first before fastening off the top edge of panels.

7. Panels must be fastened at 150mm centres across the top and bottom plates and at studs closest to both vertical panel edges. All intermediate studs must be fastened at 300mm centres. Note: Perimeter fixings should be a minimum of 12mm from the panel edge and not be placed in the panel grooves.

8. Weathergroove has a unique rebated edge that forms a regular groove when installed with an appropriate control gap. When joining panels leave a 2-3mm gap between panels to maintain the standard spacing of the grooves. Before installing the next panel, run a 5mm bead of flexible sealant along the length of the Alcor flashing to seal both edges of the Weathergroove panel.

9. Install successive panels in the same way using the z-flashing for horizontal joints.

Joining

Panels should be installed with a 2-3mm control gap at vertical butt-joins to maintain the standard spacing of the grooves. Horizontal joins must be flashed using the Aluminium Z Flashing or Small Aluminium Z Flashing, refer to the Accessories Section. All horizontal joins must be supported by double noggings. Ensure the Alcor flashing for the vertical join runs under the width of the Z flashing. The top panels should be installed such that the bottom of these panels rest on the bead line of the flashing.

NOTE: Natural Products are composed of unsealed natural hardwood timber which may occasionally exhibit tannin bleeding. Consideration must be taken if installing unsealed Weathertex products above porous or light coloured features.

Installation of Z Flashing

NOTE: Weathergroove Woodsman shown. Direct fix method shown. In the interest of clarity cavity fixing method and vapour permeable sarking have been omitted.

Fixing Detail

Before installing the first Weathergroove Natural panel run a 5mm bead of silicone along the length of the Alcor to seal edge of the Weathergroove panel. When fixing the first Weathergroove Natural panel, use a level to make sure the panel is vertical before fixing off. Refer to the Fasteners Section in this guide for information on selecting an appropriate fastener. Drive fixings flush with the panel surface. No punching is permitted.


NOTE: Where applicable by wind zone and frame type, ND50 S.S. Bradnails are the preferred fastener for Natural products. Bradnails provide a near hidden fixing due to the low profile head. Other types of fasteners may not provide an appropriate aesthetic for the Natural surface finish. When installing Weathergroove Natural stainless fasteners or class 4 screws must be used.

600mm Maximum Stud Centres. Where required, Install cavity battens over flexible building wrap. See Installation Cavity Wall System section.

Note: Cavity battens have been omitted from diagram for clarity.

Horizontal joints between panels use the Z-flashing Accessory and must be supported by a double plate, row of double noggings or a rotated 90x45mm nogging to achieve a 90mm back block.

Vertical joints are located on a double stud and back flashed by a continuous 100mm wide strip of Alcor (see instructions above).

Weathergroove must only be installed with grooves in the vertical direction. For horizontal groove designs, see Selflok Ecogroove installation.

Fasten panels at 300mm centres at intermediate studs.

Fasten panels at 150mm centres at outer most studs and top and bottom plates.
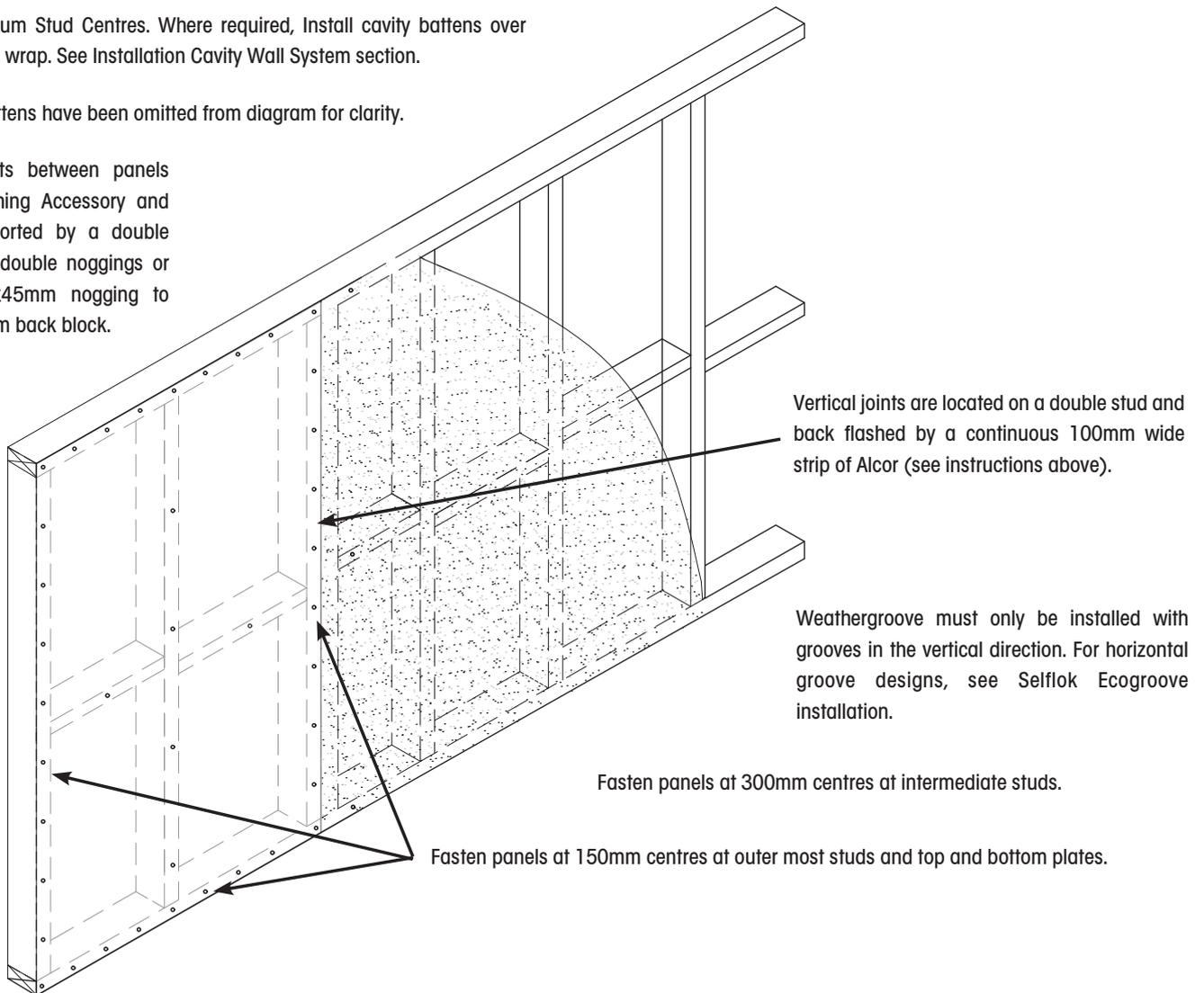
LEFT External fitout in modular form: Weathergroove 1200 Pre-Primed and painted, off-stud installation. Cut panel heights of Weathergroove to custom sizes to create a panelised or bricklayed patterns.

RIGHT Internal fitout in School Gymnasium: Weathergroove 1200 Pre-Primed and painted. Joined off-stud using the Weathergroove aluminium joiner. Joiner may be painted or kept as anodised aluminium (silver) colour as supplied, as shown here.
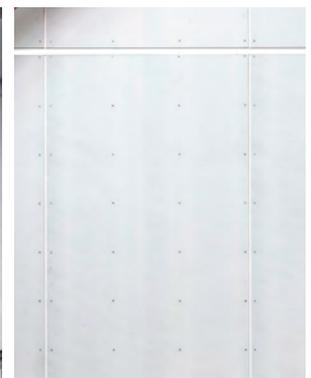
EcoWall installation requires the use of the Aluminium Deep Channel Joiner (vertically) and Small Z Flashing (horizontally). The standard Trimtec Z Flashing (instead of small Z Flashing) should be used where relevant between stories to allow for frame settling and floor compression. The following installation instructions must be followed:

Step 1 - Deep Channel Joiner
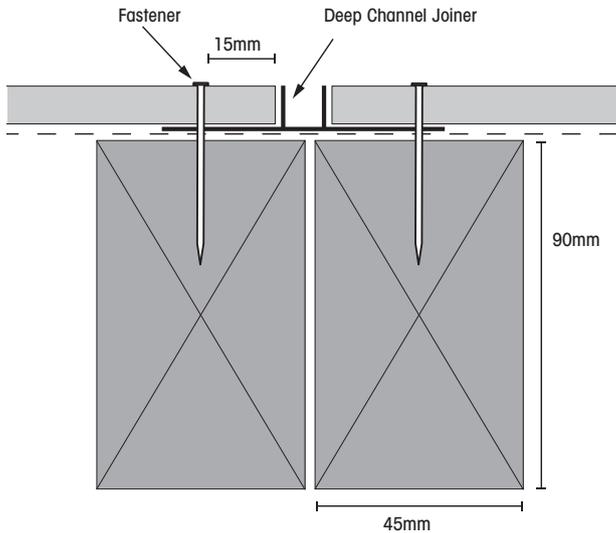
Alternate Design: Trimtec Long Vertical Aluminium Joiner may be used vertically instead of the Deep Channel Joiner

1. The stud frame must be arranged so that all edges of the EcoWall Panel are supported on double studs and double noggings (or rotated 90mm nogging). The Deep Channel Joiner is to be centred on the double studs and Small Z Flashing will align with the top edge of the rotated noggings.

2. **Any cut ends of Weathertex must be primed with a solvent-based exterior wood primer or an acrylic tannin resistant wood primer.**

3. Starting at a corner, install the first EcoWall Panel ensuring that vertical edge is level. Slide the Deep Channel Joiner into place. Deep Channel Joiners should run continuously over the height of the wall leaving a 2mm control joint when butting full lengths together.

4. Continue to install the first row of panels in this manner.

Step 5 - Small Z Flashing
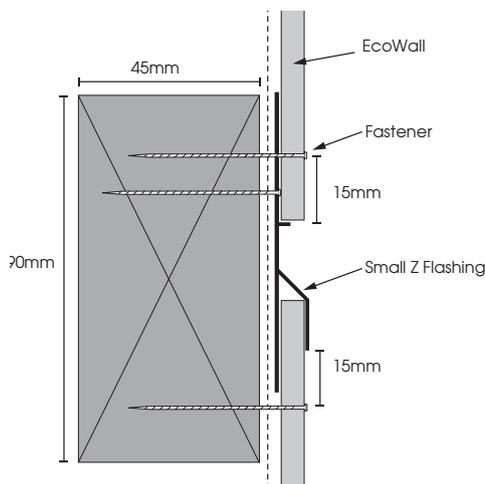
Alternate Design: Z flashing may run continuous horizontally with deep channel joiners cut back to the panel heights

5. Cut lengths of the Small Z Flashing to fit across the top edge of each panel between vertical joins. Slide Small Z Flashing into place over the top edge of the panel and level. Small Z Flashings should loosely butt into the deep channel joiner at both ends to prevent deformation with expansion. Fasten the Small Z Flashing with a flat head nail to secure it to the nogging. Check alignment and level of Small Z Flashing across the wall as installation progresses.

6. The next row of panels can be easily positioned on the raised alignment nib of the Small Z Flashing. Always ensure vertical edges are level as any tolerances can be taken up by the Small Z Flashing.

Step 7 - 200mm Fastened
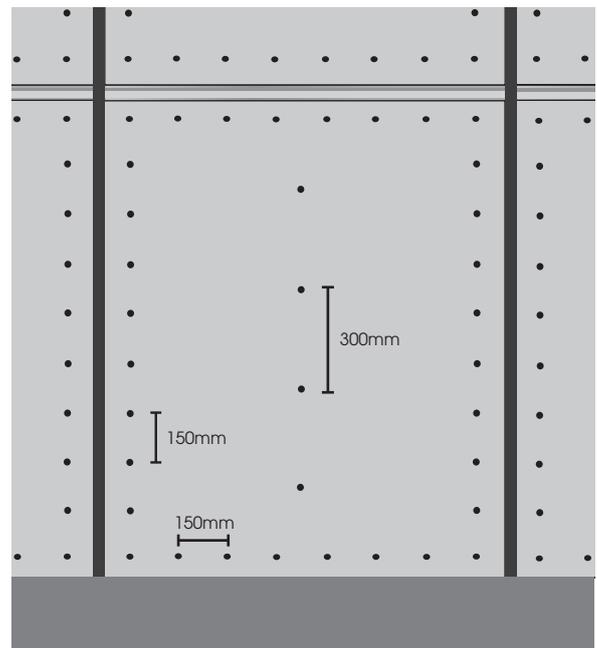
7. Once all panels are in place, each panel must be fastened off at 150mm perimeter spacings and 300mm centres down all intermediate studs and noggings.

8. For best results use counter sunk screws and fill with Polyfiller Large Cracks or equivalent flexible, paintable timber filler. Solvent based or two-part fillers such as epoxy are not suitable and cannot be used. Refer to manufacturers requirements for filler application.

NOTE: Deep Channel Joiners may become permanently deformed if allowed to bend. Store in a flat, sheltered position to protect the channel ribs
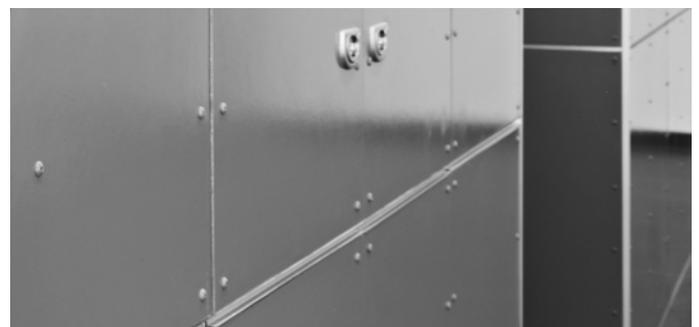
Preparation

For general framing requirements and construction details refer to sections covered under General Requirements for All Products. Rubix Panels have a self-locking profile and do not require any joining accessories. Panels can be joined on or off-stud with stud spacing at maximum 600mm centres. Noggings must be provided at maximum 750mm centres.

Rubix Panels must be installed on a Cavity System, using battens on studs and noggings. See Installation Cavity Wall Systems or Weathertex on Steel Frames Sections for preparation instructions prior to using the following installation instructions.
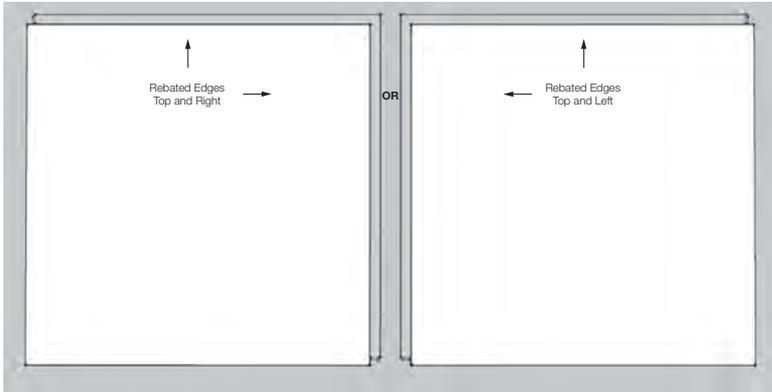

Establish a horizontal datum line where, as a minimum, the bottom edge of the sheet overhangs the bottom plate by 20mm. Plan sheet layout with the rebated faces either:

A) at the top and the right of each sheet, or

B) at the top and left of each sheet

The sheets must be oriented to ensure the upper sheets always overlap the face of the sheets below. Once the sheet orientation is chosen for the first panel, all sheets must be oriented in the same direction.

Fixing Detail for External Installation

Refer to the Fasteners Section in this guide for information on selecting an appropriate fastener.
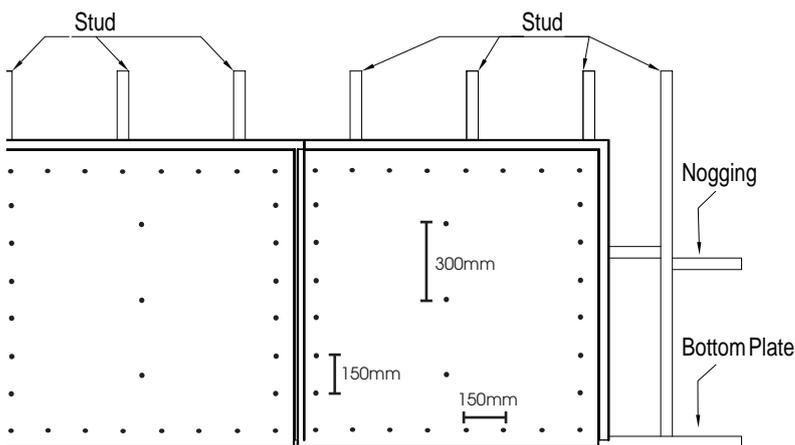
Fixings must be provided at 150mm centres to the studs and plates nearest the edge of the sheet, and 300mm centres throughout the centre of the sheet to all underlying studs and noggings.

Fixings must not lie within 38mm of the bottom and left edges of the sheet, and 46mm from the top and right sides of the sheet. If sheet is oriented differently, fixing positions must be adjusted accordingly.


For best results use counter sunk screws and fill with Polyfiller Large Cracks or equivalent flexible, paintable timber filler. Solvent based or two-part fillers such as epoxy are not suitable and cannot be used. Refer to manufacturers requirements for filler application.
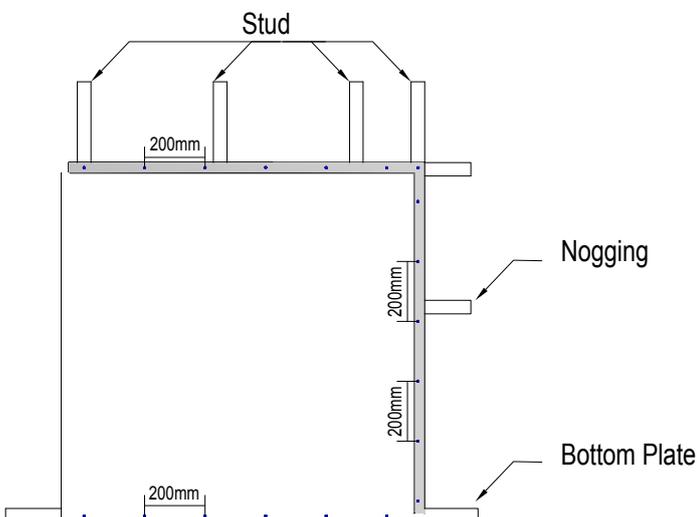
Fixing Detail for Concealed Fix
(Internal Installation only)

When installing Weathertex Rubix Panel internally, there is the option to conceal the fixings. Fixing must be provided at 200mm centres around the perimeter of the sheet through the self-locking tongue of the panel. The first row of panels must also be fixed at 200mm centres across the base plate. Using this method, the horizontal and vertical joins must fall on studs and noggings, respectively. The fixings will then be concealed by the corresponding Self-locking section of the adjoining panels.

NOTE: The Primelok Starter Strip accessory with a bead of adhesive may be used in lieu of the face fixings on the first row of sheets at the base plate if the application does not utilise a skirting board to conceal these fasteners.

Looking from back.

Stud

← Direction of work

100mm

Nogging
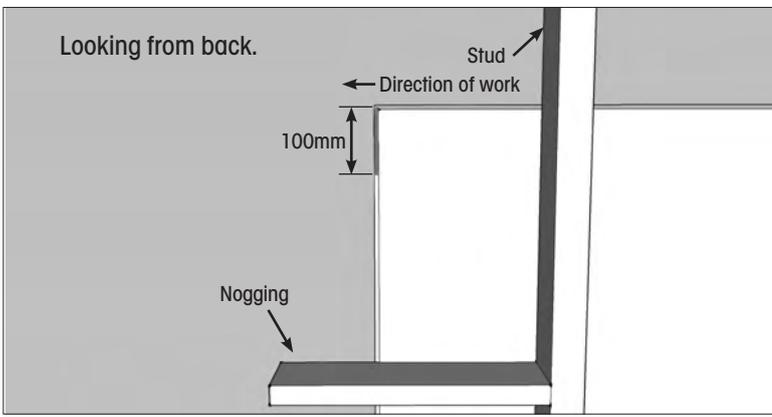
First Row

Position first board at the corner on the datum and fix according to the relevant fixing detail above. Note: Starting position may be altered or the first board trimmed to maintain symmetry across a wall or align grooves to a specific feature. Run a 5-7mm bead of a good quality, exterior-grade, flexible polyurethane sealant along the back rebated vertical edge of the first sheet for 100mm down the leading edge of the panel from the top, outermost corner.

Bring second panel into place and ensure the Self-locking edges of the two panels fully engage. Secure each sheet as per the relevant fixing detail repeating for all first row sheets. Trim the last sheet to length as required.

NOTE: When two rows of Rubix panels meet a corner or junction with another product, a small gap may be created at the edge of the Rubix Panels where the top and bottom rows overlap. This gap should be filled with a high quality, flexible, paintable acrylic sealant as required. Alternatively, this gap can be prevented by trimming 30mm from the edge of the sheets which will meet the corner or junction prior to installation, or installing a small section of the alternate Rubix edge before installing the first panels.

Second Row

Starting from the same side of the wall as the bottom row, run a 5-7mm bead of a good quality, exterior-grade, flexible polyurethane sealant along the back rebated edge of the first sheet for 100mm either side of the join where two sheets below meet. This row of sealant is essential to the installation and must be maintained throughout the life of the product to prevent water ingress.

Position the first board of the second row at the corner on top of the board below ensuring the Self-locking edge fully engages. The bottom edge of the second row of Rubix Panels will overhang the top edge of the first row. Fix as per fixing instructions for the first row of panels.

Repeat for the subsequent panels of the second row fix as per the first row and sealing horizontally as above and vertically as for the first row.

MANUFACTURER'S WARRANTY

1. Weathertex Pty Ltd A.B.N 67 084 713 986 ("Weathertex") warrants that the Products supplied are of first quality, free from material defect in materials, design and workmanship, and in conformity with the technical specifications detailed in the published Weathertex Installation Guide that is current at the date of purchase. This statutory warranty applies for a period of 12 months from the date of purchase in addition to the following clauses.

2. **Natural Board** - Weathertex warrants that its Natural (Brown) Board Products will not rot, split or crack for a period of 10 (ten) years from the date of purchase when installed and maintained in accordance with Weathertex's current published materials.

   Pre Primed EcoWall and Rubix Panel - Weathertex warrants that its EcoWall Products will not rot, split or crack for a period of 10 (ten) years from the date of purchase when installed and maintained in accordance with Weathertex's current published materials.

   Pre Primed Board - Weathertex warrants that its pre primed board Products will not rot, split or crack for a period of 25 (twenty-five) years from the date of purchase when prepared, installed and maintained in accordance with Weathertex's current published materials.

3. A reference to Products in these warranty terms and conditions does not include accessory products listed "Accessories" in the Weathertex Price List ("Accessory Products"). Weathertex warrants that the Accessory Products will be free from defect in material and workmanship for a period of 7 years from the date of purchase. For the purposes of clarity, the warranties provided in clause 1 and 2 do not apply to Accessory Products.

4. The benefits to the purchaser given by the warranties set out in clauses 1 to 3 are in addition to other rights and remedies of the purchaser under Australian Consumer Law in relation to the Weathertex products and accessories.

CONDITIONS OF THE WARRANTY

5. The warranties provided in clauses 1, 2 and 3 are only available to the original purchaser ("Purchaser") who provides Weathertex with proof of purchase and who makes the claim in writing within 30 days from the point in time when the defect becomes apparent or should have become apparent.

6. Weathertex will not be liable for any warranty claims made under clauses 1 and 2 if any of the following apply:

   (a) the Products are not installed used or maintained in accordance with applicable instructions and/or specifications, including installation and site conditions provided by Weathertex (including the published Weathertex Installation Guide that is current at the date of purchase);

   (b) the building in which the Products are installed does not comply with all relevant Building Codes and Regulations, Standards, and Council/Authority/ Regulator requirements;

   (c) the Purchaser has not complied with any service instructions which Weathertex may give or any subsequent request as to a modification of the Products which Weathertex may make from time to time in writing;

   (d) the defect is caused by the use of materials, parts or accessory products that are not supplied, recommended, or approved by Weathertex;

   (e) the Products are not maintained, prepared or installed by authorised installation contractors in circumstances where Weathertex has directed the Purchaser to ensure that the Products are maintained, prepared or installed by such authorised installation contractors; or

   (f) the repair, rectification or replacement of the Products is required as a result of normal wear and tear or necessitated in whole or in part by the fault or negligence of any person other than Weathertex.

7. Further to clause 6 and without limiting clause 6, Weathertex under no circumstances will be liable for any claims, damages, or defects arising from or in any way attributable to:

   (a) acts of God, fire, flood or other severe weather conditions or unusual climatic conditions;

   (b) performance of paint/coatings applied to the Products;

   (c) development of any algae, bacteria or fungi on the Products (whether on the exposed or unexposed surfaces);

   (d) poor workmanship; or

   (e) any other losses or damages (whether direct or indirect) including property damage or personal injury, consequential loss, economic loss or loss of profits arising in contract or negligence.

8. The Product is subject to natural variation in finish and presentation as a result of the manufacturing process. The purchaser / builder / installer must ensure the Product meets aesthetic expectations prior to installation. Subject to the terms and conditions of this warranty, after installation of the Product, Weathertex is not liable for claims arising from aesthetic surface variations if such variations were, or would upon reasonable inspection have been apparent prior to the installation.

REMEDIES

9. Should the Purchaser's warranty claim made under clauses 1 and/or 2 be valid within the relevant warranty period, then the remedy provided by Weathertex will be limited to either of the following (where possible) as chosen by Weathertex:

   (a) Weathertex replacing the Products provided the claim is accepted by Weathertex and subject to such replacement Products being available in the manufacturing inventory at the time the claim is accepted by Weathertex. Otherwise, Weathertex will provide such replacement Products when they become available.

   (b) Weathertex repairing the Products provided the claim is accepted by Weathertex.

10. Should the Purchaser's warranty claim made under clause 3 be valid, then the remedy provided by Weathertex will be limited to Weathertex replacing the Accessory Products provided the claim is accepted by Weathertex and subject to such replacement Accessory Products being available in the manufacturing inventory at the time the claim is accepted by Weathertex. Otherwise, Weathertex will provide such replacement Accessory Products when they become available.

11. The Purchaser is not entitled to any other remedies (that is apart from the remedies detailed in clauses 8 and 9) with respect to a warranty claim under clauses 1, 2 or 3.

12. This warranty cannot be relied upon by any other person and is not transferable.

13. Any replacement works will be conducted in accordance with the Building Codes and Regulations, Standards, and Council/Authority Regulator requirements applicable at the time of construction. Where the Building Codes and Regulations, Standards, and Council/ Authority Regulator requirements have changed after the Products were purchased, Weathertex will not be responsible for any costs associated with ensuring that the replacement works comply with the updated Building Codes and Regulations, Standards, and Council/Authority Regulator requirements.

14. Where an approved claim requires re-coating of the Products the Purchaser acknowledges and agrees to accept minor colour variations between the existing or original colour and the re-coated replacement Products or rectification areas.

15. Except as provided for in these terms and to the fullest extent permitted by law, all terms, statements, warranties and conditions whether express, implied, statutory or otherwise, relating to the Products, the Accessory Products, the subject matter of these terms or to these terms generally are excluded. Nothing contained herein excludes or modifies any rights the Purchaser may have under the Australian Competition and Consumer Act 2010 (or equivalent in other countries as determined by Weathertex in its sole discretion).

DISCLAIMER

16. Recommendations made by Weathertex are based on good building practice and are not a complete statement of all relevant data. As the installation of the Products is influenced by and relies on factors outside the control of Weathertex, Weathertex assumes no responsibility for works/systems used in connection with the installation of the Products and their suitability to satisfy relevant Building Codes and Regulations, Standards, and Council/Authority /Regulator requirements.

17. Unless specifically stated otherwise, the warranties under clauses 1, 2 and 3 apply only to Weathertex products purchased and installed according to the Weathertex Installation Guide in Australia, New Zealand and the Weathertex International Installation Guide.

AUSTRALIAN CONSUMER LAW

18. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

MAKING WARRANTY CLAIMS

19. The claimant (being the Purchaser) must make all warranty claims in writing. The claimant must be the original purchaser of the Weathertex product and must retain the purchase receipt (in relation to the purchase of the product) as proof of purchase. Proof of purchase must be provided to Weathertex as part of the warranty claim.

   Warranty claims (and claims for reasonable costs and expenses in making the claim as referred to in clause 18) can be addressed to Weathertex by post, fax or via e-mail as follows:

   The Manager
   Weathertex Pty Ltd
   PO Box 21
   Raymond Terrace NSW 2324
   Phone 1800 040 080
   Fax 1800 647 926
   E-mail sales@weathertex.com.au

20. Weathertex will respond to all warranty claims. This response may include an inspection by a Weathertex representative of the installed Product. The claimant will bear all costs and expenses of making the claim. However reasonable costs and expenses will be reimbursed to the claimant in the event that the claim is accepted by Weathertex.

As of 29th October 2018.

We've gone *digital!*

All of our online services & tools are 100% FREE

Product specification calculator
Find the right Weathertex products to suit your project design and performance requirements.

Visualister tool, 'Inspirational Designs'
Our newest Inspirational Designs Virtual App is ideal for exploring inspirational ideas or to visualise our wide range of profiles in your own design

Order product samples
Visit any of the product pages on our website and simply add a sample to your cart, and we will deliver it to you for FREE!

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Simply fill in your details, attach your blueprints and we'll do the rest. We will be able to provide you with a full free takeoff report on Weathertex products and accessories required for your project.

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Weathertex® is made in Australia by Weathertex Pty Ltd ABN 67 084 713 986 | PO Box 21, Raymond Terrace NSW 2324

Disclaimer: The information in this manual related to Weathertex's product as developed and manufactured at the time of printing. Importantly, Weathertex follows a policy of continuous product testing and improvement. For this and other reasons Weathertex reserves the right to make any changes or modifications to this manual and any other relevant document as and when it considers necessary and without notice. Accordingly users of Weathertex products are encouraged to regularly contact Weathertex to obtain the current manual. **Last Updated: November 2019**