WOOD ELEMENTS
REFINED ARCHITECTURAL HARDWOOD CLADDING

Hurford's Wood Elements Installation guide

Thank you for purchasing Hurford's WOOD ELEMENTS. Please read these instructions prior to installation. Wood Elements is a complete hardwood cladding system, milled to comply with Australian Standards 2796 and designed for both horizontal and vertical applications.

This document is intended as a guide only, and should be read in conjunction with the Building Code of Australia. It is advised that only qualified tradespeople with the relevant skill levels install this product. It is the installer's responsibility for the structural integrity and waterproofing of the building.

WARNING: MUST BE KEPT DRY PRIOR TO INSTALLATION

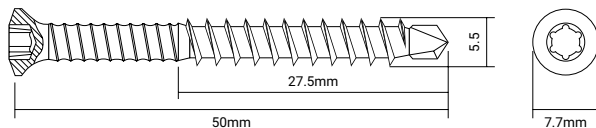### Hardware required to install Hurford's WOOD ELEMENTS:

SIKAFLEX®-11FC+

Available from Sika stockists.

WURTH AW® BIT

Bit AW E 6.3 (1/4) BIT-AW20-LUMINOUSORANGE-1/4IN-L50MM (Art.-no.: 06145220)

WURTH ASSY®PLUS A2 DECKING CONSTRUCTION SCREW

AW20-5,5X50/23 (Art.-no.: 0166115550)

5.5
27.5mm
50mm
7.7mm

Available to purchase from Hurford Wholesale Pty Ltd or WURTH stockists.

Preparation:

»   Check all weatherproofing precautions.

»   Pre-coat all faces and edges of the cladding boards prior to installation (Wood Elements has a factory pre-coat option, if this option has been supplied you can skip this step).

»   Pre-coat all faces and edges of timber trims prior to installation (Wood Elements has a factory pre-coat option, if this option has been supplied you can skip this step).

Temporary Flashing – Required if rainfall is expected. Temporary waterproofing around any exposed end to ensure water doesn't enter the cavity behind the cladding is essential. If any water does get into the cavity this will cause problems such as cupping in the product.

NOTE: ENSURE ALL PREPARATION WORK IS CARRIED OUT BEFORE INSTALLATION.

Installation:

1.)   Check frame is straight, studs are flush and have a maximum spacing of 450mm centres.

2.)   Install vapour permeable sarking as per manufacturer's instructions.

3.)   For vertical cladding Install – install cavity battens with a required minimum size of 70x35mm horizontality over sarking, with a maximum of 450mm centres, fixed into every stud.

   Cavity battens can also be installed for horizontal cladding installation as well to allow the timber to breathe. 70x35mm fastened at 450mm centres in line with the studs, over the sarking can help with long term durability.

4.)   Install any waterproof corners, window, roof or any other type of flashings as per manufacturer's instructions.

5.)   Mark out the board increments using a storey rod to ensure boards stay aligned.

6.)   Install Wood Elements trims as per instructions. Refer to details in FIG 1 - 6.

7.1)   **Horizontal Cladding Install** – starting at the bottom, ensuring a minimum of 100mm of ground clearance, begin cladding installation by fixing a starting board with the tongue edge facing up. Check board is level before fixing. Use WURTH ASSY®PLUS A2 DECKING CONSTRUCTION SCREW 0166115550 with the WURTH AW® BIT 06145220 to secret fix the board to the stud or cavity batten.

7.2)   **Vertical Cladding Install** – measure the width of the wall and calculate the required boards to be ripped (if any) to ensure you start and finish with a board of the same size. Starter boards will require a tongue and finishing boards will require a groove. Starting from the left with your starter board with a tongue, ensure that the tongue on the end match is facing up and the board is level fix with the WURTH ASSY®PLUS A2 DECKING CONSTRUCTION SCREW 0166115550 with the WURTH AW® BIT 06145220 into the cavity batten.

SEALING ALONG THE BOTTOM OF VERTICALLY INSTALLED CLADDING IS CRITICAL.
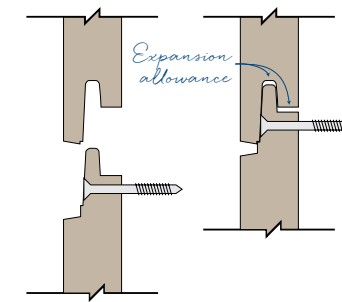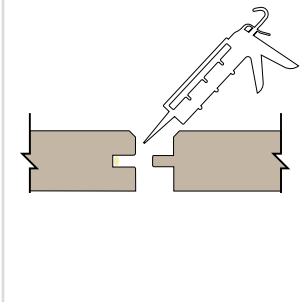
Diagram 1.

Expansion allowance

Diagram 2.

8.)   Wood Elements cladding boards are end matched, allowing for an end join between studs or battens. Apply a bead of sealant to the groove of the fixed board and slide the next board into place (see diagram 2), locking the boards together. Then secure the board onto the stud or batten. Scrap excess sealant off once dry. The micro bevel end-match also aids in directing water away from this join.

9.)   Continue installing along the wall. Please ensure when engaging the boards that the boards are only pushed together as far as the locator ridge, this will ensure The Automatic Spacing System allows the correct expansion between each board (see diagram 1).

Completion:

»   Install permanent capping immediately on completion of cladding installation.

»   Ensure any gaps are sealed using Sikaflex or similar product.

»   Apply the second coat of finisher to the facade after installation. Depending on the products drying time and specified number of coats a final coat may need to be applied .
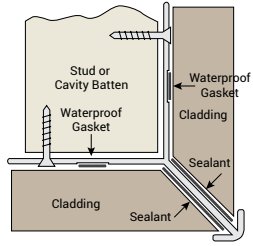
Notes:

»   Avoid tannins leaching use Feast Watson Woodclean (if façade is being left to weather naturally).

»   Timber generally expands through the width of the board and not the length, ensure boards butt up tightly.

»   If the cladding cannot be installed immediately, store in a dry protected area with the pack elevated on bearers.

»   Provide temporary capping during installation to prevent damage caused by wet conditions.

»   End Stop L Profile should not be used as an exterior horizontal wall flashing.

Design & Maintenance - Refer to pages 8 and 9 of Wood Elements brochure for design and maintenance points. Alternatively contact your local retailer or Hurford Wholesale office.

Again, thank you for purchasing Hurford's WOOD ELEMENTS.

www.hurfordwholesale.com.au

FIG 1

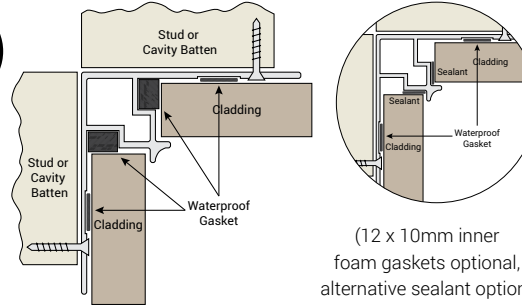## Aluminium External Corner Stop (install prior to cladding)

a. Screw the trim to the stud/batten as per drawing.

b. Peel the back off the supplied gaskets (23mm x 3mm) and fit to each side of protruding arm, as pictured. (This step can also be done before fixing the trim to the stud/batten).

Or

Apply a bead of sealant in place of the foam gaskets; ensure enough sealant is used to create a moisture barrier. Scrap excess sealant off once dry.

c. Cladding board will need to be mitred, ensure end grain is sealed.

d. Fix cladding to stud/batten allowing gaskets to compress; for sealant option compress the sealant to form a 3mm thickness. Trim can flex slightly to allow the board to fit firmly against the protruding arm gasket.

! Tip: When working on the second part of the interconnecting walls there won't be as much flex in the trim, so plan ahead and work out which side might not need the aided flex.

(12 x 10mm inner foam gaskets optional, alternative sealant option)

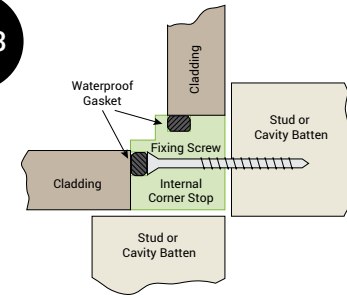## Aluminium Internal Corner Stop (install prior to cladding)

a. Screw the trim to the studs/battens as per drawing.

b. Peel the back off the supplied gaskets (12mm x 10mm) and fit to each inside corner cup, as pictured. (This step can also be done before fixing the trim to the stud/batten).
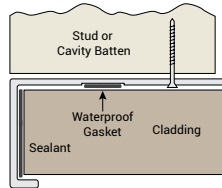
Or

Apply a bead of sealant to the instep as pictured; ensure enough sealant is used to create a moisture barrier. Scrap excess sealant off once dry.

c. Cut the cladding boards to length, ensure end grain is sealed.

d. Fix cladding to stud/battens allowing gaskets to compress; for sealant option compress sealant to form a 3mm thickness.

! Tip: Work from the inside corner out.

FIG 3

Timber Internal Corner Stop (install prior to cladding)

a. Screw the trim to the studs/battens through the gasket groove as per drawing.

b. Peel the back off the supplied gasket (9mm x 9.5mm) and insert into the groove.

c. Cut the cladding boards to length, ensure end grain is sealed.

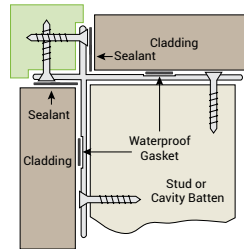d. Fix cladding to stud/batten allowing gasket to compress. Cladding should butt up against trim.

FIG 4

Aluminium End Stop L (install prior to cladding)

a. Screw the trim to the stud/batten as per drawing.

b. Peel the back off the supplied gasket (18mm x 3mm) and fit to protruding arm, as pictured. (This step can also be done before fixing the trim to the stud/batten).

Or

Apply a bead of sealant to the arm as pictured; ensure enough sealant is used to create a moisture barrier. Scrap excess sealant off once dry.

c. Cut the cladding board to length, ensure end grain is sealed.

d. Fix cladding to stud/batten allowing gaskets to compress; for sealant option compress sealant to form a 3mm thickness.
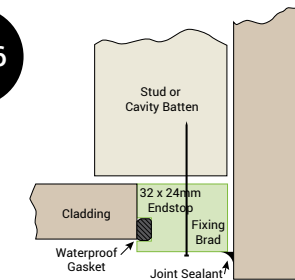

FIG 5

External Cross with Timber Corner (install prior to cladding)

a. Screw the aluminium cross trim to the stud/batten as per drawing.

b. Screw the timber corner to the aluminium cross trim as per drawing.

c. Peel the back off the supplied gaskets (12mm x 3mm) and fit to each protruding arm as pictured, lining the edge of the gasket up with the edge of the trim.

Or

Apply a bead of sealant in place of the foam gaskets; ensure enough sealant is used to create a moisture barrier. Scrap excess sealant off once dry.

e. Cut the cladding boards to length, ensure end grain is sealed.

f. Fix cladding to stud/batten allowing gaskets to compress; for sealant option compress sealant to form a 3mm thickness.

FIG 6

Timber End Stop (install prior to cladding)

a. Fix the trim to the stud/batten with a Brad as per drawing.

b. Peel the back off the supplied gasket (9mm x 9.5mm) and insert into the groove. (This step can also be done before fixing the trim to the stud/batten).

c. Cut the cladding boards to length, ensure end grain is sealed.

d. Fix cladding to stud/batten allowing gasket to compress. Cladding should butt up against trim.

e. Caulk the joint between the trim and the adjacent surface.

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