

Installation guide


for InterClad panel assemblies

Custom cladding



Welcome

Lenmak Exterior Innovations Inc. is one of North America's most advanced manufacturers in exterior architectural solutions, light gauge pre-finished metal panels, and state-of-the-art aluminum and steel cladding, insulated back panels, roofing, and flashing based out of Edmonton, Alberta, Canada.



PREPARATION
AND FLASHING
INSTALLATION.

Introduction

This instructional guide for InterClad is intended for experienced professionals with a background of installing siding, soffit and metal cladding systems. All Lenmak products should always be installed by a professional.



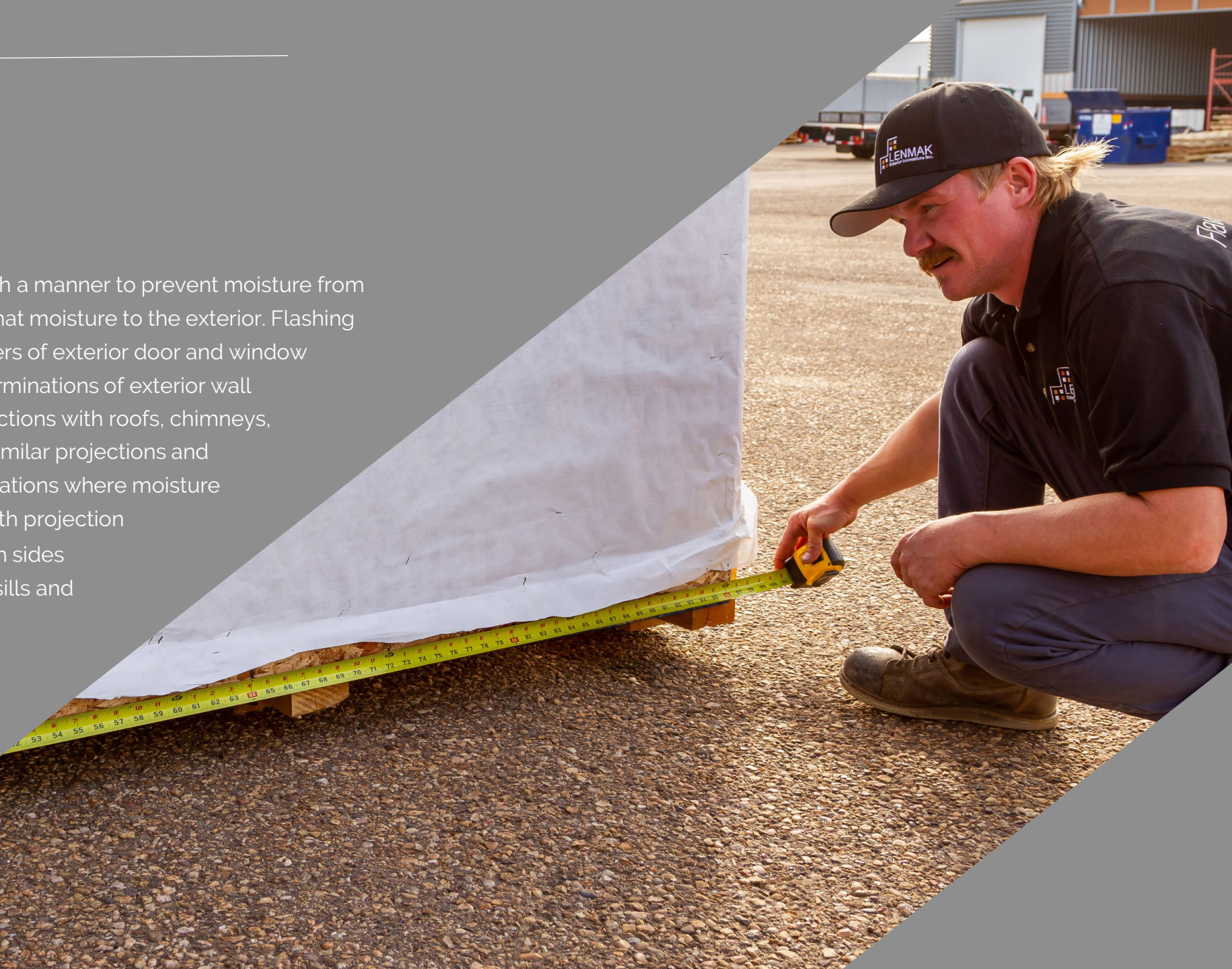
Prior to the installation of InterClad, ensure that a water-resistive barrier is installed correctly to the manufacturers' instructions.



Flashing

Flashing shall be installed in such a manner to prevent moisture from entering the wall or to redirect that moisture to the exterior. Flashing shall be installed at the perimeters of exterior door and window assemblies, penetrations and terminations of exterior wall assemblies, exterior wall intersections with roofs, chimneys, porches, decks, balconies and similar projections and at built-in gutters and similar locations where moisture could enter the wall. Flashing with projection flanges shall be installed on both sides and the ends of copings, under sills and continuously above protection trim.

(IBC 2015: 1405.4 Flashing)



1



Corner Transition— Drip Flashing.

Measure remaining length of the corner including the notch on the previous flashing.

Corner Transition – Drip Flashing.

Now take your last measurement and mark out your first line on the nail flange of the drip flashing. Using a speed square, draw a line 45° towards the hem. Draw another 45° line from the hem back towards the nail flange. Create a line at this end and mark out your centre line.





3

Cut out one side. Cut along 45° line.
Fold Tabs at remaining lines.

Corner Transition— Drip Flashing.





1



2



3



4

A Step-by-Step Guide to Securing Drip Flashing

Using sheet metal pliers, clamp down on the hem at your middle mark. While squeezing the pliers bend the drip flashing around the corner. Secure the nailing leg in place with a pancake screw. Using your sheet metal pliers straighten any uneven parts of the flashing from the corner bend.



INTERCLAD INSTALLATION.

DRIP FLASHING

CORNER TRANSITION.

Cover the nailing flange of the Drip flashing with the existing Air/Water barrier.



LOWER 2-PIECE BASE J PREP

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Base Installation 2-Piece Base J.



Measure the length from the drip flashing. Cut, using snips or a cold cut saw blade. Never use abrasive cut off wheels with metal flashing.



Lower 2Pc Base J

Trim Install

1

Measure and cut 2-piece J-Trim base.

2

Drill a weep hole in bottom of J-Trim base before installing.

3

Secure in place with screws.



2-Piece Corner Base Installation.

Measure the length from the drip flashing to the underside of the soffit. Cut using snips or a cold cut saw blade. Never use abrasive cut off wheels with metal flashing. Secure 2-Piece Corner Base Flashing with screws. Ensure 45° pocket is inline with the corner of the building.



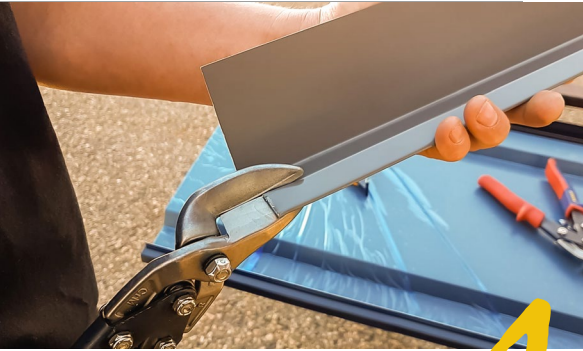


WINDOW
FLASHING
INSTALLATION.



UpperDrip – FLASHING.

Start with prepping the drip flashing for above the window for installation. Measure the width of the window and cut the drip flashing 2" longer.



1



2



3



4

UPPER DRIP FLASHING

End Dam Prep

1. Notch 1" from the hem on both sides of the drip flashing.
2. Using sheet metal pliers, align the front of the pliers to the notch in the hem and fold flat 90 degrees. Using the pliers begin squishing the part of the nailing flange that bent with end dam.
3. Squeeze the fold to get it as close to 180 degrees as possible.
4. Using a hammer or mallet, gently tap on the fold to get it to lay completely flat.

INSTALL DRIP & SIDE FLASHING

1. Secure the drip flashing above the window and align the end dam with the side of the window.
2. Install approved vapour barrier over nailing flange of drip flashing and seal with tuck tape.
3. Measure the height of the window, add 1" for the end dam and cut the two-piece base using snips. The base should align with bottom of the window and the top of the end dam. Secure in place with a pancake screw.



Installing Window Detail.



After installing the upper and lower two-piece base flashing, measure the distance for the panel that needs to be notched out for the bottom of the window.





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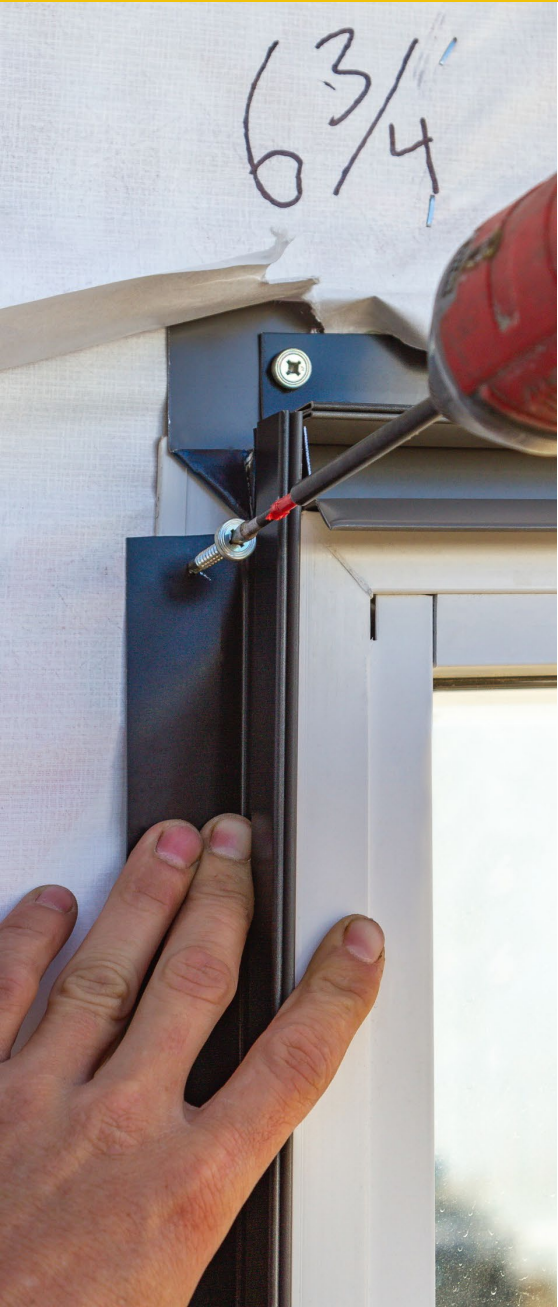
INSTALLING
**WINDOW
DETAIL.**

Window SIDE FLASHING

Measure the height of the window, add 1" for the end dam and cut the two-piece base using snips.



The base should align with bottom of the window and the top of the end dam. Secure in place with a pancake screw.



INSTALL

Two-piece Base Flashing.

Measure the distance between the pockets of the two side flashings. Cut the two-piece base flashing to length for above and below the window.

Upper and Lower Window Flashing



Align Lower window flashing (2 piece base) with frame. Fasten the 2 piece base in place. Align Upper window flashing with top of the side window flashing. Secure in place.

Panel Notching

WINDOW DETAILS.

Measure and cut lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.



MEASURE AND CUT

1. Using snips or a cold cut saw, cut out your notch to clear the window.
2. Slide the panel in place and secure with clips.
3. Depending the length of the notch, a Z-trim may be required to support the cut edge. You can also use the piece that was notched out and flip it around to use as a support.
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PANEL NOTCHING WINDOW DETAILS.

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HORIZONTAL PANEL INSTALLATION.

Flawless from
Fabrication
to Finish

Panel INSTALLATION

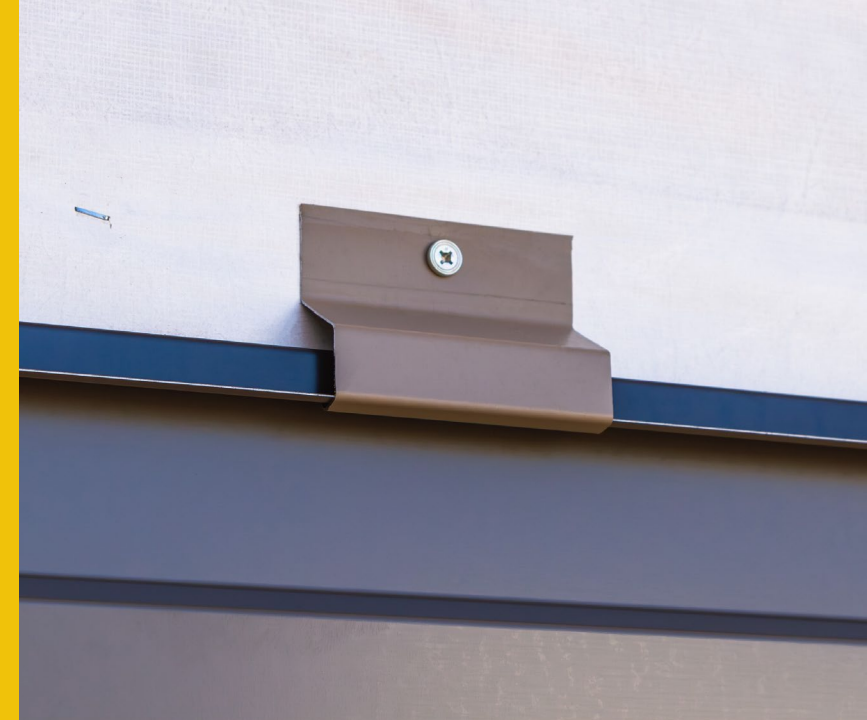
Measure and cut the panels to length on either side of the window.





INTERCLAD

D E T A I L S



PANEL
INSTALL
HORIZONTAL.



Continue to install panels until you get to the top of the window.

INSTALLATION

INTERCLAD PANELS.

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MEASURE AND NOTCH

CAP DETAILS.

Measure the width of the window and add 2" to the length of the cap. Notch the bottom cap as shown in the image so the face can extend 1" past each side of the window.

Window Cap Upper Flashing

Repeat the same process as the other caps around the window. Add 2" to the length and notch cap 1" on each end to fit in the pocket. Mitre the bottom face of the side cap flashing.



6/14

WINDOW CAP details.



Mitre both sides of the upper cap flashing and snap in place . The hem of the upper window cap flashing will need to be opened up so it can slide over the side cap flashings.

6 3/4

INSTALLATION

INTERCLAD PANELS.

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INTERCLAD

Multiply Your Options

Order Today

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VERTICAL PANEL INSTALLATION.



PREPARATION

FLASHING INSTALLATION.

To install the flashing, refer to the chapter named "Preparation and Flashing Installation" in this guide, and follow the exact same steps and instructions provided starting from page 3.

1. DRIP FLASHING.
2. CORNER TRANSITION.
3. 2-PIECE CORNER AND BASE.





STARTER STRIP INSTALL.

Measure the length between the flashing for the starter strip and panels. Subtract $\frac{1}{4}$ "(6mm) for clearance.

- 1. Measure.** Measure back $\frac{3}{4}$ "(19mm) from edge of 2pc Base flashing.
- 2. Level.** Before installing any more fasteners level the starter.
- 3. Pin.** Secure one end of the flashing with a #8 screw.
- 4. Fasten.** Secure with remaining screws.

Panel Install Horizontal

After leveling the first panel secure it in place by screwing in male leg.



Then secure the female leg with the pre loaded Clip.

PANEL INSTALL - VERTICAL.

Engage the panel into the starter and pin the top of the panel with a screw.

Check if the panel is level and secure with clips. Maximum clip spacing is 24" OC.



Window Detail Side Panel.

Prepare and install the panel at the side of window. Depending on how the panel aligns with the side of the window it may need to be notched out.

1. MEASURE HEIGHT OF NOTCH.
2. MEASURE WIDTH OF NOTCH.
3. LEAVE SOME CLEARANCE AROUND THE WINDOW. AS THE TWO-PIECE J WILL COVER CUT.



Window Detail Side Panel.

When cutting through the female leg of the panel for the notch it's easier to cold cut saw.



SIMPLE AND QUICK

WINDOW DETAIL SIDE PANEL.

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Window Caps – Details.

Measure and cut out the caps for the window and install from the bottom up.

1

Measure the length of the window and add 2" to the length of the cap.

2

Notch the bottom cap as shown in the image so the face can extend 1" past each side of the window.

3

A rubber mallet may be required to fully seat the cap into the base. Gently tap with mallet not to damage the flashing.



Window Caps Details

Repeat the same process as the other caps around the window. Add 2" to the length and notch cap 1" on each end to fit in the pocket.



INSTALLATION

WINDOWS CAPS DETAILS.

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2pc J - Trim Bottom Install



Push the 2-piece J-trim top into its base. Then using a rubber mallet tap it tight into the lock.



1. Measure from corner of wall to the outside corner for the soffit.

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SOFFIT INSTALLATION.



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InterClad Soffit Flashing.

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SOFFIT FLASHING

Fasten Two-Piece Base flashing using pancake screws. Snip off the overhanging portion of the nailing leg. Install our Two Piece J base flashing around the inside perimeter of the soffit.



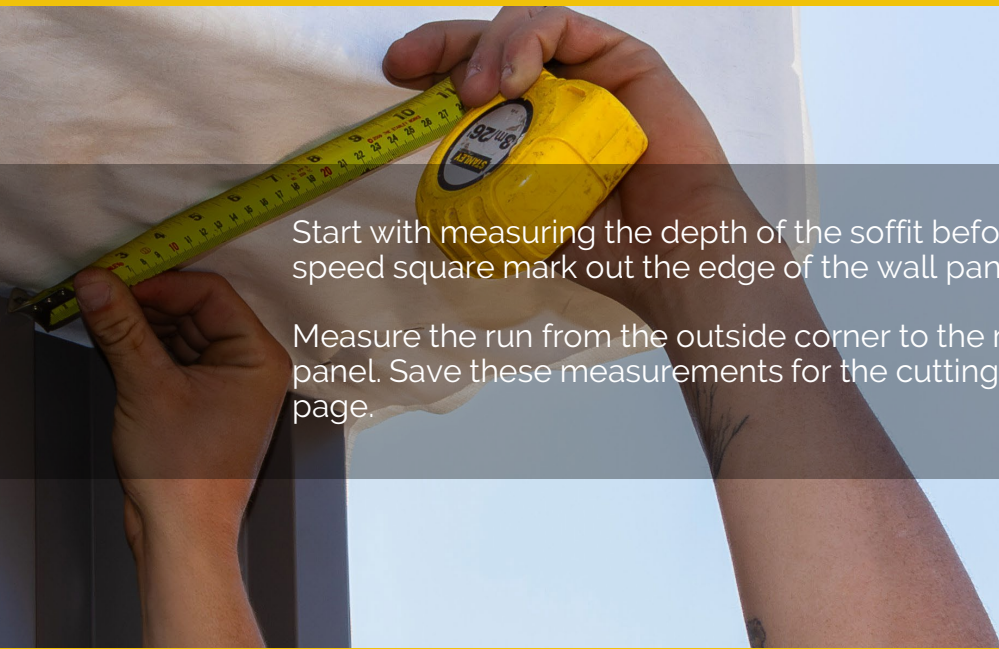
INSTALLATION

SOFFIT FLASHING.

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Mitre Corner Preparation.



Start with measuring the depth of the soffit before the mitre section. Using a speed square mark out the edge of the wall panel on the soffit.

Measure the run from the outside corner to the marked out line of the wall panel. Save these measurements for the cutting instructions on the next page.



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To start, lock together enough panels to cover the mitre section that are precut to the soffit depth.



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Markout edge of the wall panel from the previous step and mark the corner of the the soffit.



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Draw a line from these two points and cut the panels along this line.

INTERCLAD

SOFFIT INSTALLATION.

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InterClad- Soffit Installation.

Install the remainder of the soffit panels. Use shims to help keep the reveal gap to the correct distance while fastening the panels.



INSTALLATION

CORNER CAP.

Finally, install each of your 2 piece corner caps. Start by engaging the Corner Cap in the 2 piece base at one end and work you way along.

Once the corner cap is mostly in, use a rubber mallet to fully seat into the base.



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Get in Touch

We look forward to learning more about your project or custom metal needs.

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