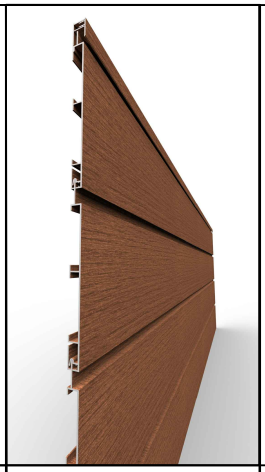
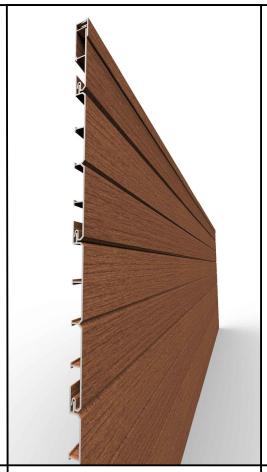
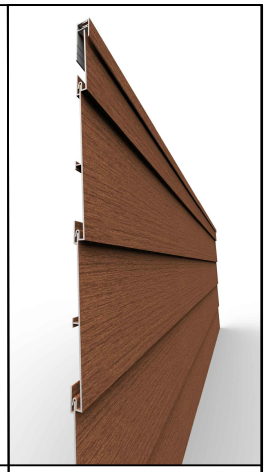
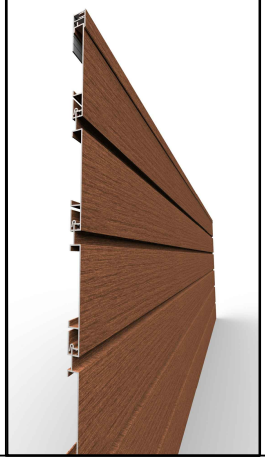
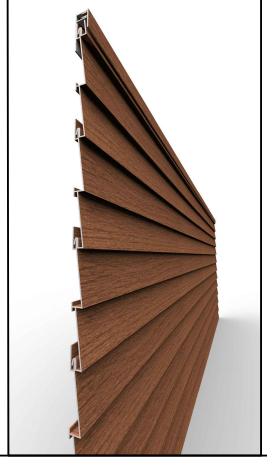
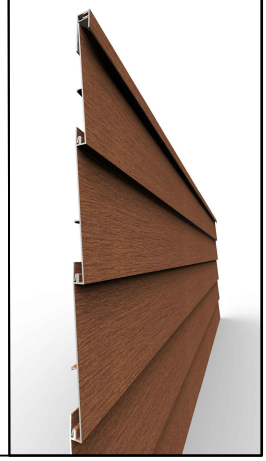
INSTALLATION GUIDE

Enjoy DecoClad's enduring beauty in the bush, by the beach or in full sun. Effortless to install and maintain, DecoClad is the ultimate in exterior cladding. Pairing aluminium's proven strength and durability with a Super Durable finish such as DecoWood, DecoClad meets all needs. Use it horizontally for the traditional weatherboard look, gable ends and facades, or vertically as a contemporary feature

DecoClad Board Options

200mm SHADOWLINE		1.29m² Coverage / 6.5m Board		180mm V-GROOVE		1.16m² Coverage / 6.5m Board		180mm WEATHERBOARD		1.16m² Coverage / 6.5m Board	
135mm NARROWLINE		0.87m² Coverage / 6.5m Board		130mm CROATIA BOARD		0.84m² Coverage / 6.5m Board		160mm WEATHERBOARD		1.04m² Coverage / 6.5m Board	

Performance

As part of DECO's commitment to compliant building products, the DecoClad systems have been designed to meet Australia's stringent building standards. The DecoClad range has been tested to and passed the following standards:

DecoClad - Tested Performance Data

Description	Standard	Testing Body
Methods for fire tests on building materials, components and structures - Combustibility test for materials.	AS1530.1	CSIRO
Methods for fire tests on building materials, components and structures - Simultaneous determination of ignitability, flame propagation, heat release and smoke release.	AS/NZS1530.3	CSIRO
Method of test for heat and smoke release rates for materials and products using an oxygen consumption calorimeter.	AS3837	CSIRO
Methods of testing sheet roof and wall cladding - Resistance to wind pressures for cyclone regions.	AS4040.3	AZUMA DESIGN

DecoClad - Assessed Performance Data

Clause	Assessment Outcome
NCC 2019 - Volume 1 - Clause C1.9 Non-Combustible building elements	Compliant

Please Note: All testing has been undertaken using the detail provided in this installation guide and in order to claim the performances set out within, the detail in this guide shall be followed.

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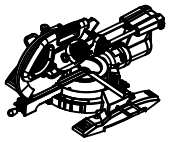
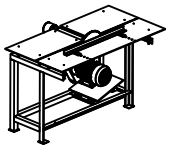
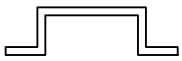
INSTALLATION GUIDE

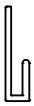
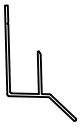
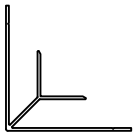
DecoClad Boards

All DecoClad boards and accessories are supplied in 6.5m lengths. As part of the manufacturing process, the first 10mm of both ends of the extrusion are taped and not imaged, therefore each board will need to be trimmed by 15mm on each end to remove the tape and provide a clean finish. After the removal of each end, the useable length of each length is 6.47m. Accessories are available for two distinct finish options, "Classic Installation" and "Flushline Installation" (see cross sections for detail).

DecoClad Suggested Installation Tools & Products

	30mm x 10G Self Tapping Panhead or Button Head screws (galvanised or stainless steel). **Supplied by Installer**		**SEALANT/ADHESIVE** Deco recommends the use of high quality sealants and adhesives. **Supplied by Installer**
	IMPACT DRIVER A high-quality Impact Driver with an appropriate driver bit is recommended for fixing all extrusions to the building structure.		**MITRE SAW** A high-quality Mitre Saw equipped with an aluminium cutting blade is recommended for cutting the boards to length and trimming the board ends.
	**TABLE SAW** A high-quality Table Saw is recommended for ripping the final (top) board to the correct dimension for finishing of the installation.		**BATTENING FOR INSTALLATION** When installing over tilt slab construction or retrofitting over other products it is recommended that you utilise aluminium battens. DECO recommends Top Hat 90x22.5x2.5 **Supplied by Installer or DECO on request**

DecoClad Accessories

	**DC-CL07 - STARTER STRIP** The Starter Strip is the base profile which starts the connection to the wall. The Starter Strip is required to be attached to the wall at the bottom of horizontal applications, or to one side of vertical applications.		**DC-CL25 - END COVER CHANNEL** The End Cover Channel can be installed to the sides to cover the cut ends of the extrusion in the "Classic Installation".
	**DC-CL06 - DRAINAGE COVER** The Drainage Cover can be installed above windows to ensure that any surface water is directed away from the top of the window system ensuring unwanted water does not access the top of the window system.		**DC-CL24 - JOINING CONNECTOR** The Joining Connector allows an easy connection of two full length cladding boards in wider applications or where a perpendicular feature is required in "Classic Installation".
	DC-CL28 - COVER STRIP BASE The Cover Strip Base is connected to the wall to allow the Cover Strip Clip (DC-CL29) to be inserted and securely attached to the building.		**DC-CL29 - COVER STRIP CLIP** The Cover Strip Clip is a snap fit extrusion allowing a clean finish with no exposed fasteners.
	**DC-CL23 - INTERNAL CORNER** The Internal Corner is designed to allow the easy application of cladding to corners pointing into the building used in "Classic Installation".		**DC-CL32 - EXTERNAL CORNER** The External Corner is designed to allow the easy application of cladding to corners pointing out from the building used in "Classic Installation".
	DC-ANG2020 - FLUSHLINE 20x20 ANGLE For use in "Flushline Installation", the 20mm x 20mm Angle is supplied in PC black or any powder coated finish you require. This extrusion is used to cover the ends of the cladding boards to create a clean finish.		**DC-T2020 - FLUSHLINE TEE 20x20x1.6** The Flushline Tee section is used in "Flushline Installations" to replace the Joining Connector (DC-CL24) for a minimal look vertical or horizontal seam. Supplied in powder-coated black or other finishes on request.

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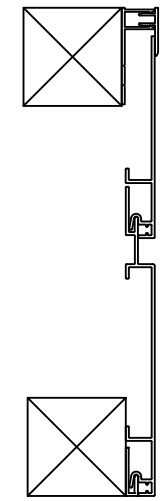
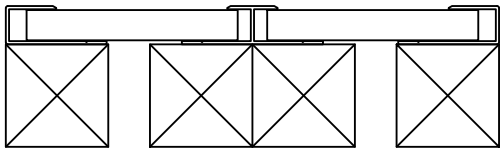
INSTALLATION GUIDE

DecoClad Installation Detail - Classic Installation

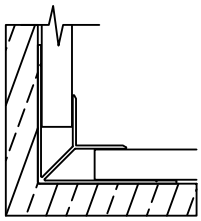
The "Classic Installation" utilises DecoClad accessories in a colour-matched finish. All accessories have been designed with detail in mind and provide a consistent 25mm external face.



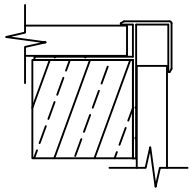
ELEVATION VIEW



PLAN VIEW



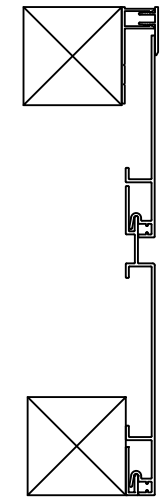
INTERNAL CORNER DETAIL



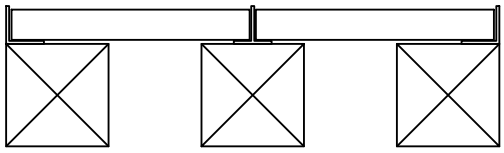
EXTERNAL CORNER DETAIL

DecoClad Installation Detail - Flushline Installation

The "Flushline Installation" utilises the 20x20mm angle and associated profiles. The "Flushline Installation" allows a seamless connection between boards with minimal visibility by utilising the black powder-coated Flushline Tee.



ELEVATION VIEW



PLAN VIEW

PLEASE NOTE: Stud details are for information only. Framing should be constructed according to the requirements NCC (National Construction Code) and relevant Standards.

Pre Punched Extrusions

In order for DecoClad to achieve the highest levels of performance and to enable a quick and easy install, many of the extrusions come with pre-punched fixing slots. The fixing slots are included on the

- DC-CL07 - Starter Strip
- DC-CL11 - Shadowline Board
- DC-CL13 - V-Groove Board
- DC-CL16 - Narrowline Board
- DC-CL17 - Croatia Board
- DC-CL18 - Weatherboard

Example of DC-CL07 - Starter Strip with Pre Punched Extrusions

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INSTALLATION GUIDE
Horizontal Applications

Preparation

Framing

All framing should be constructed from steel or timber according to the requirements of the NCC and relevant standards to ensure resistance to wind loads, with studs positioned at maximum 600mm centres. For Non-Cyclonic vertical applications ensure that the wall is battened out or has studs at 600 centres; in Cyclonic applications studs should be installed at 450 centres. When using a Joining Connector for "Classic Installations", or a Flushline Tee section for "Flushline Installations", ensure that a stud, batten or noggin is installed behind the connector.

Fixing Application Requirements

When fixing DecoClad to the wall, fixings should be used every 450mm for cyclonic applications or every 600mm for non-cyclonic applications. 30mm x 10G Self Tapping Panhead or Button Head screws (galvanised or stainless steel) shall be used in all circumstances .

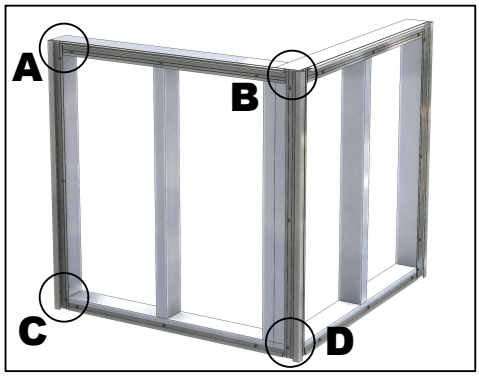
Sarking/Building Wrap

To ensure a waterproof application, a sarking or building wrap layer should be installed first to prevent any water penetrating the building. Care should be taken to ensure that all penetrations are carefully sealed to ensure water does not penetrate the building warp or sarking.

Processing of DecoClad

WARNING - When processing DecoClad care should be taken and appropriate Personal Protective Equipment should be worn at all times. Failure to do so risks potential serious injury, disablement or death. When processing Cladding Boards or Accessories, care should be taken to ensure that the work space is clean and free from dust, sawdust, metal fines and/or shavings. Processing of the cladding board in areas with excessive dust, sawdust, metal fines and/or shavings risks potential damage to the finished surface.

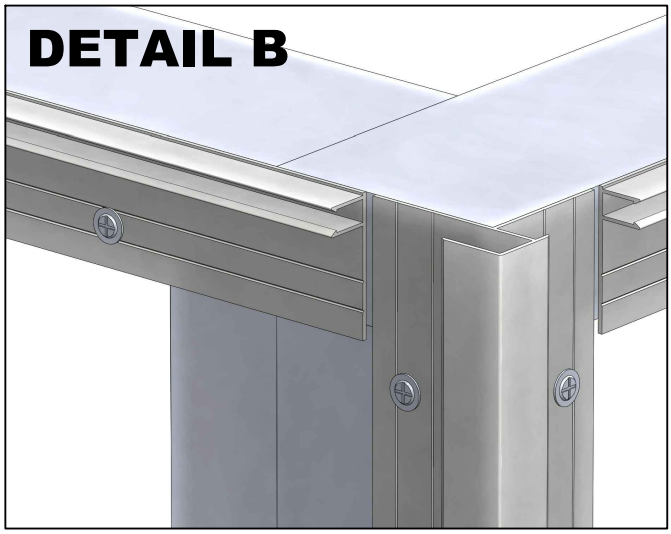
STEP 1 - Apply Sarking or Building Wrap and Any Additional Battening or Noggins Required

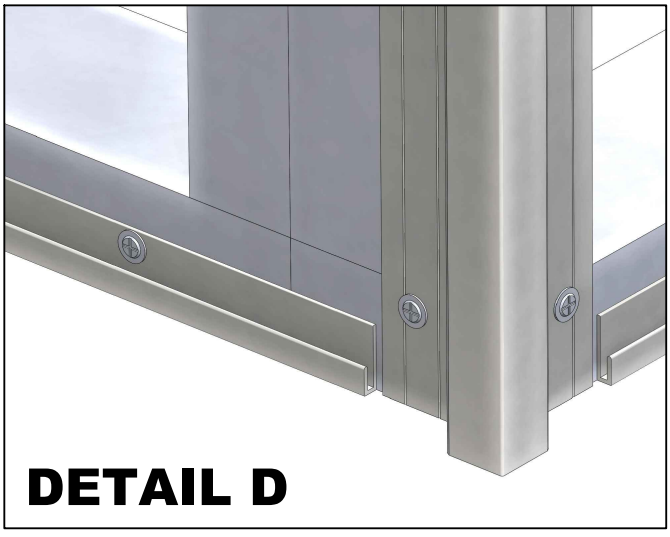


STEP 2 - Cover Strip Setup

a) **Install Vertical Strips including End Cover Channels, 20x20 Angles, Joining Connectors, 20x20 Tee Sections, Internal or External Corners. When installing ensure all extrusions are fixed at maximum 600mm centres or as required for the applicable wind loads.**

b) **Measure and cut Horizontal Strips to length including, Starter strip and Cover Strip Base.**





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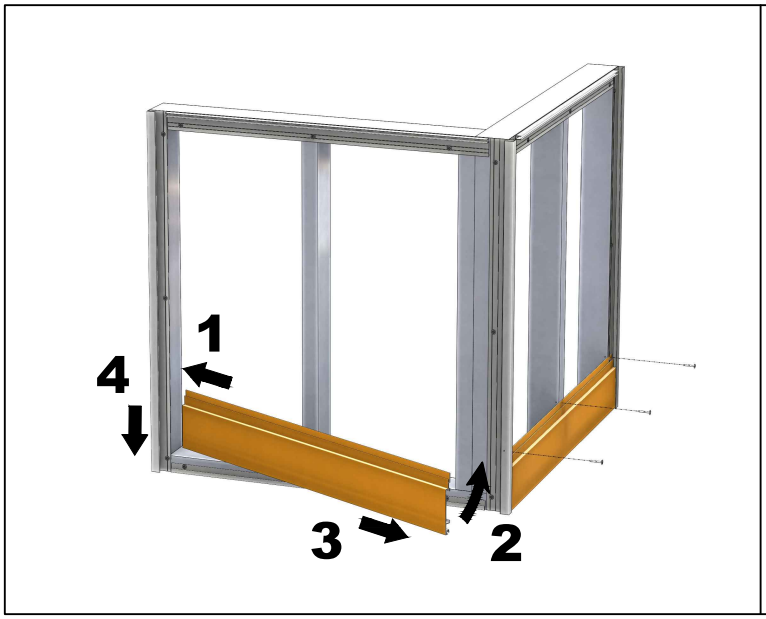
INSTALLATION GUIDE
Horizontal Applications

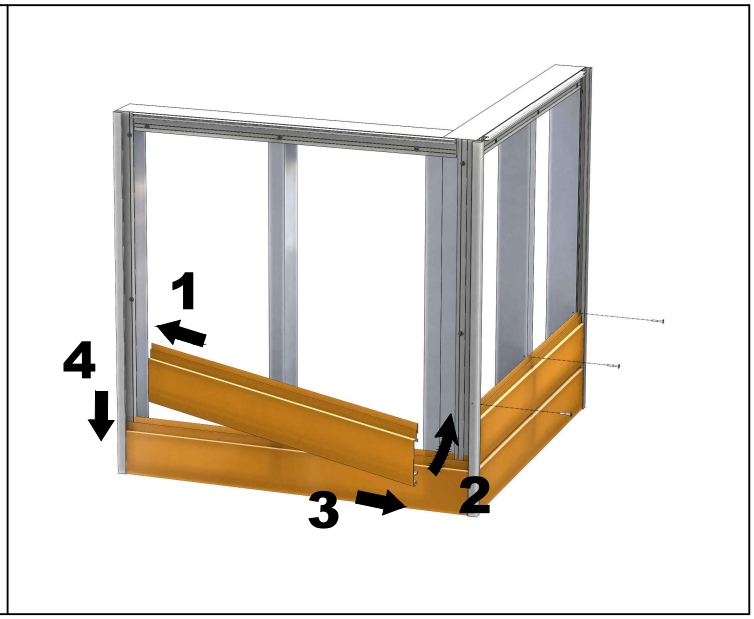
STEP 3 - Install First Board

Measure, cut and install first board by positioning lip over the starter strip and fix board using 30mm 10G screws as required for your application. To ensure that the board has the required flex, the fixings are required to be installed through the pre-punched slots. Failure to do so may result in excessive stress and failure of the board.

STEP 4 - Install Next Board and Repeat Until Final Board

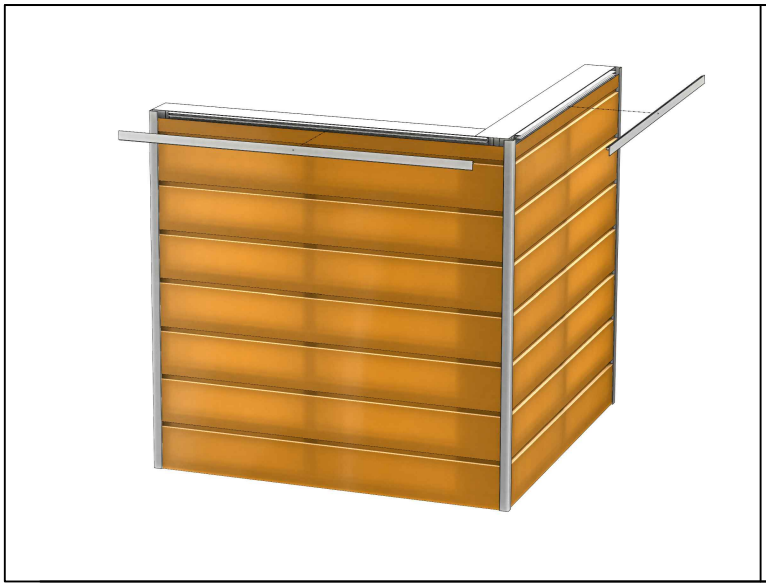
Install the next board by positioning lip over the positioning leg on the previous board and fix board using 30mm 10G screws as required for the applicable wind loads. Ensure that the fixings are installed through the pre-punched slots.
NOTE - The final board may require ripping with a Table Saw to fit.

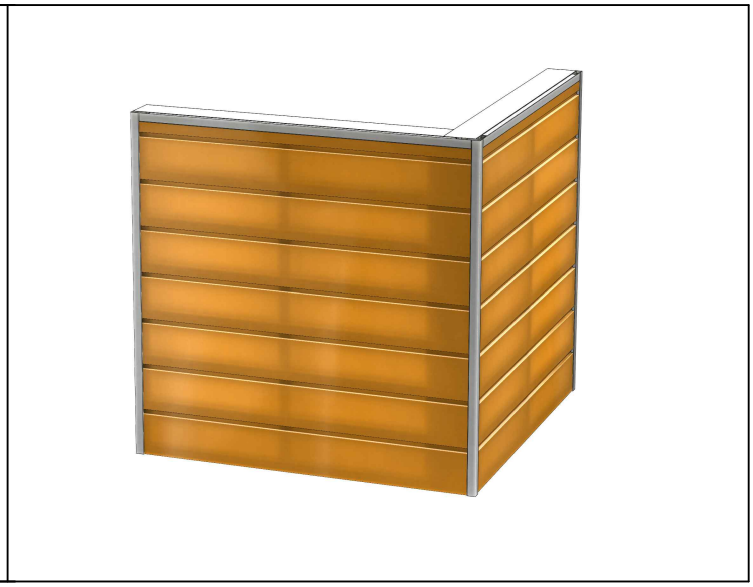




STEP 5 - Cut and Install Cover Strips

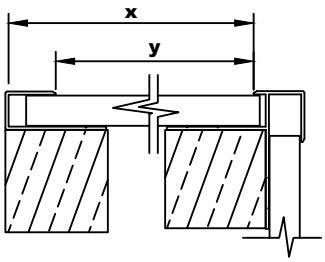
Measure horizontal Cover Strip Clip between the external face of the vertical members (see cutting tip above), cut to length and snap in to fit.





CUTTING TIP

When cutting the boards to length, one method of ensuring that you have adequate coverage is to measure the distance available in the internal dimension of the End Cover Channel to the end of the cover at the other end and subtract 5mm. (See diagram)



LENGTH OF BOARD
=
x - 5mm

LENGTH OF COVER STRIP
= y - 2mm

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INSTALLATION GUIDE
Vertical Applications

Preparation

Framing

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Fixing Application Requirements

When fixing DecoClad to the wall, fixings should be used every 450mm for cyclonic applications or every 600mm for non-cyclonic applications. 30mm x 10G Self Tapping Panhead or Button Head screws (galvanised or stainless steel) shall be used in all circumstances .

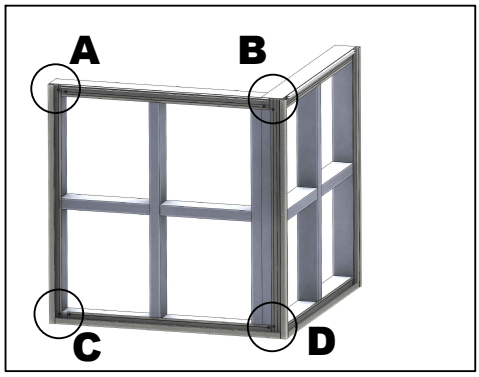
Sarking/Building Wrap

To ensure a waterproof application, a sarking or building wrap layer should be installed first to prevent any water penetrating the building. Care should be taken to ensure that all penetrations are carefully sealed to ensure water does not penetrate the building warp or sarking.

Processing of DecoClad

WARNING - When processing DecoClad care should be taken and appropriate Personal Protective Equipment should be worn at all times. Failure to do so risks potential serious injury, disablement or death. When processing Cladding Boards or Accessories, care should be taken to ensure that the work space is clean and free from dust, sawdust, metal fines and/or shavings. Processing of the cladding board in areas with excessive dust, sawdust, metal fines and/or shavings risks potential damage to the finished surface.

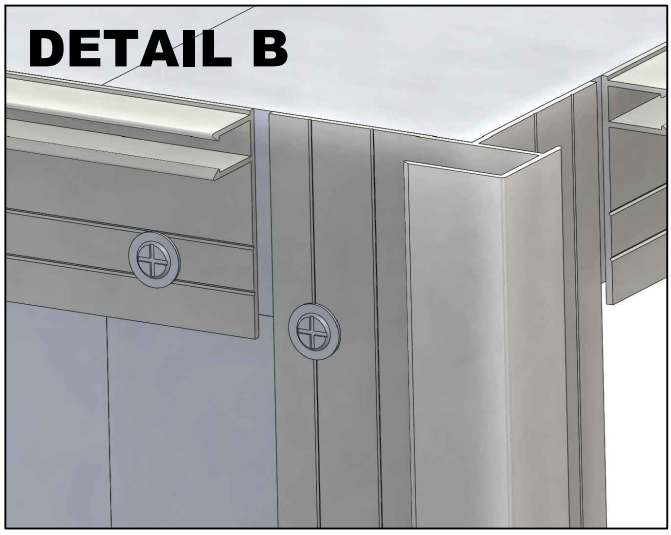
STEP 1 - Apply Sarking or Building Wrap and Any Additional Battening or Noggins As Required

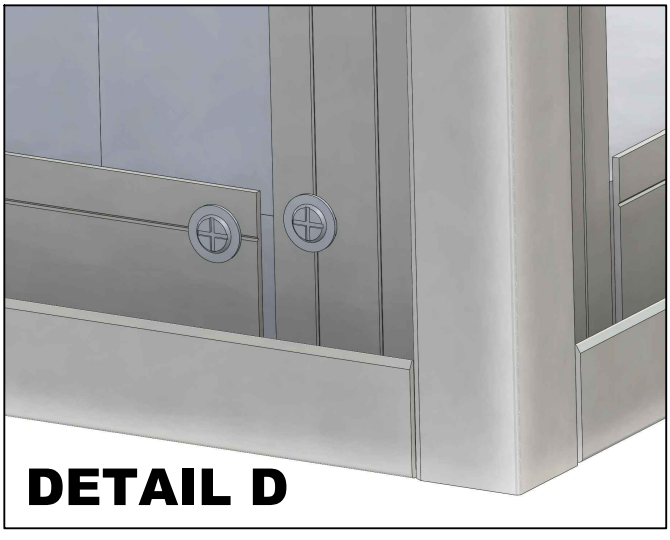


STEP 2 - Cover Strip Setup

a) **Install Vertical Strips including End Cover Channels, 20x20 Angles, Joining Connectors, 20x20 Tee Sections, Internal or External Corners. When installing ensure all extrusions are fixed at maximum 600mm centres or as required for the applicable wind loads.**

b) **Measure and cut Horizontal Strips to length including the Cover Strip Base and the bottom End Cover Channel. Please see below for notching detail.**





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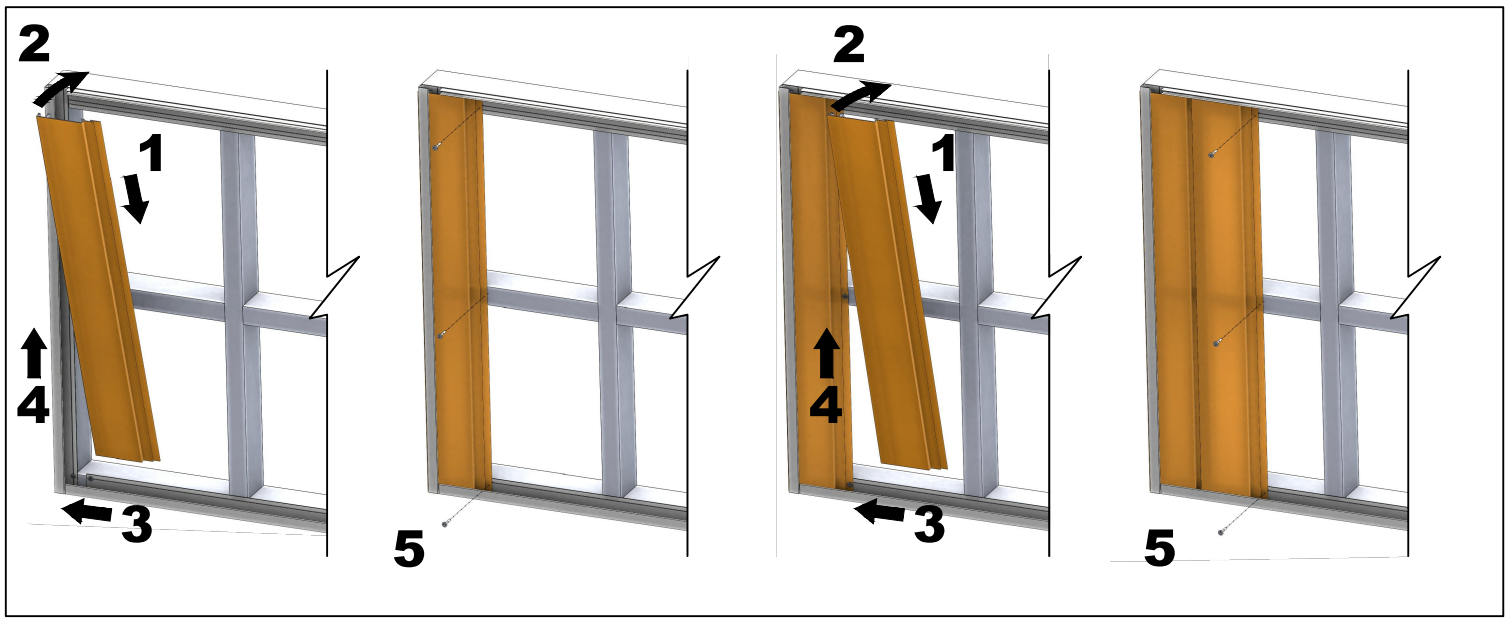
INSTALLATION GUIDE
Vertical Applications

STEP 3 - Install First Board

Measure, cut and install first board by positioning lip over the Starter Strip and fix board using 30mm 10G screws as required for your application. To ensure that the board has the required flex, the fixings are required to be installed through the pre-punched slots. Failure to do so may result in excessive stress and failure of the board.

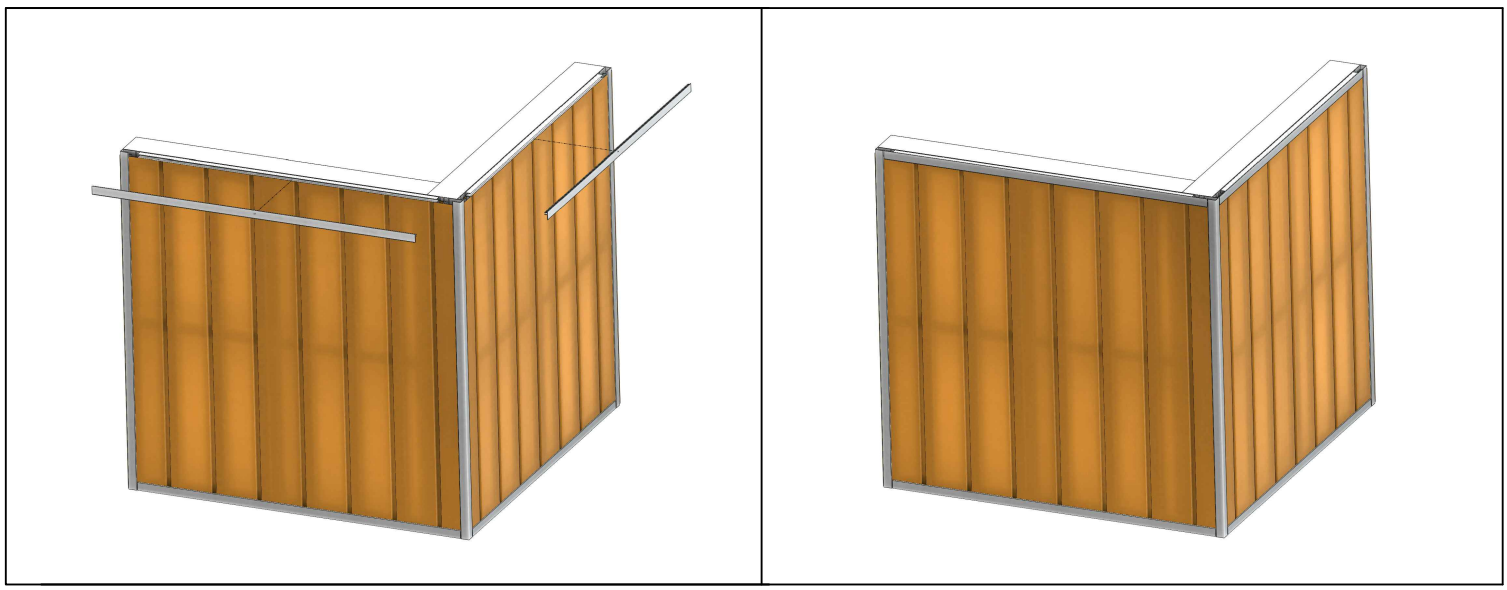
STEP 4 - Install Next Board and Repeat Until Final Board

Install the next board by positioning lip over the positioning leg on the previous board and fix board using 30mm 10G screws as required for the applicable wind loads. Ensure that the fixings are installed through the pre-punched slots.
NOTE - The final board may require ripping with a Table Saw to fit.



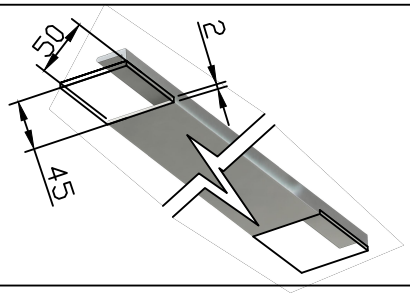
STEP 5 - Cut and Install Cover Strips

Measure horizontal Cover Strip Clip between the external face of the vertical members, cut to length (refer to cutting tip on previous page) and snap in to fit.



NOTCHING DETAIL

When applying the End Cover Channel to the bottom edge of the cladding area, the rear wall will need to be notched (as seen in Detail B and D) in order to allow full coverage on the front face. Alternatively, the Cover Strip Base and Clip could be applied as depicted in Detail A and C to the bottom edge.



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INSTALLATION GUIDE
Ceiling Applications

Preparation

Framing

All framing should be constructed from steel or timber according to the requirements of the NCC and relevant standards to ensure resistance to wind loads, with studs positioned at maximum 600mm centres. For Non-Cyclonic vertical applications ensure that the wall is battened out in the horizontal direction at 600 centres; in Cyclonic applications noggins should be installed at 600 centres. When using a Joining Connector for "Classic Installations", or a Flushline Tee section for "Flushline Installations", ensure that a stud, batten or noggin is installed behind the connector.

Fixing Application Requirements

When fixing DecoClad to the wall, fixings should be used every 450mm for cyclonic applications or every 600mm for non-cyclonic applications. 30mm x 10G Self Tapping Panhead or Button Head screws (galvanised or stainless steel) shall be used in all circumstances .

Sarking/Building Wrap

To ensure a waterproof application, a sarking or building wrap layer should be installed first to prevent any water penetrating the building. Care should be taken to ensure that all penetrations are carefully sealed to ensure water does not penetrate the building warp or sarking.

Processing of DecoClad

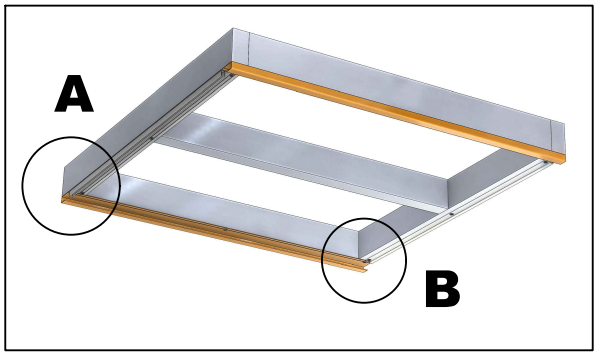
WARNING - When processing DecoClad care should be taken and appropriate Personal Protective Equipment should be worn at all times. Failure to do so risks potential serious injury, disablement or death. When processing Cladding Boards or Accessories, care should be taken to ensure that the work space is clean and free from dust, sawdust, metal fines and/or shavings. Processing of the cladding board in areas with excessive dust, sawdust, metal fines and/or shavings risks potential damage to the finished surface.

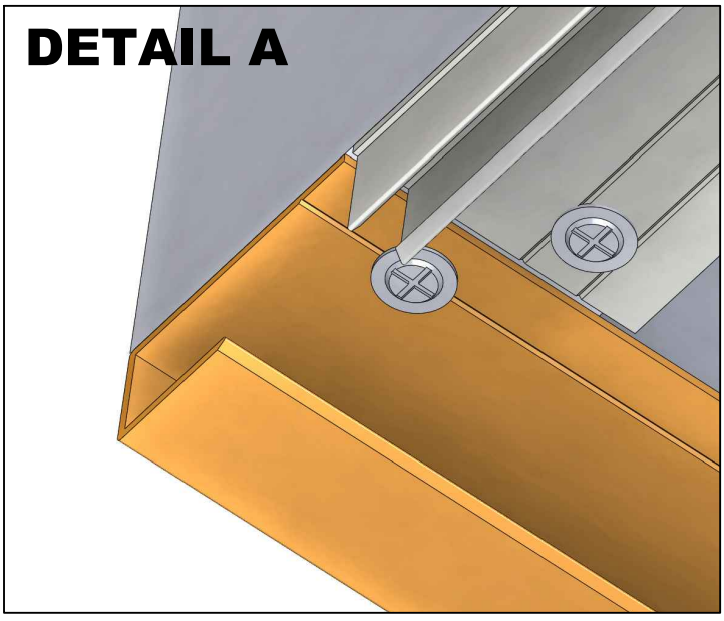
STEP 1 - Apply Sarking or Building Wrap and Any Additional Battening or Noggins Required

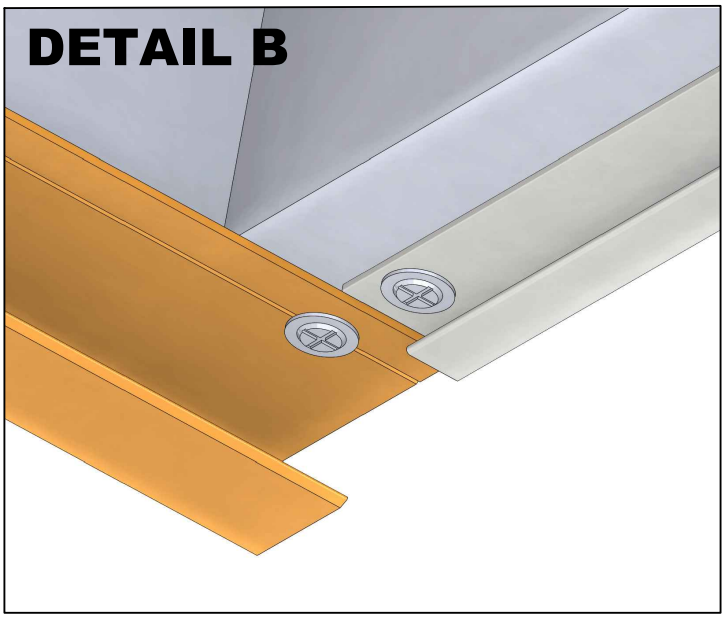
STEP 2 - Cover Strip Setup

a) **Install Vertical Strips including End Cover Channels, 20x20 Angles, Joining Connectors, 20x20 Tee Sections, Internal or External Corners. When installing ensure all extrusions are fixed at maximum 600mm centres or as required for the applicable wind loads.**

b) **Measure and cut Horizontal Strips to length including, Starter strip and Cover Strip Base.**







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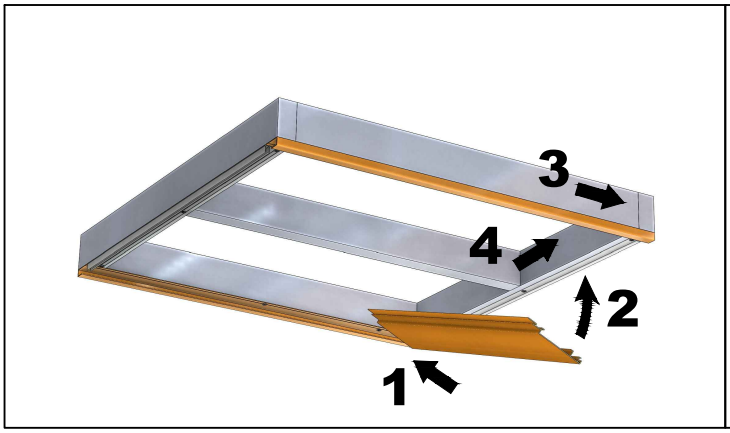
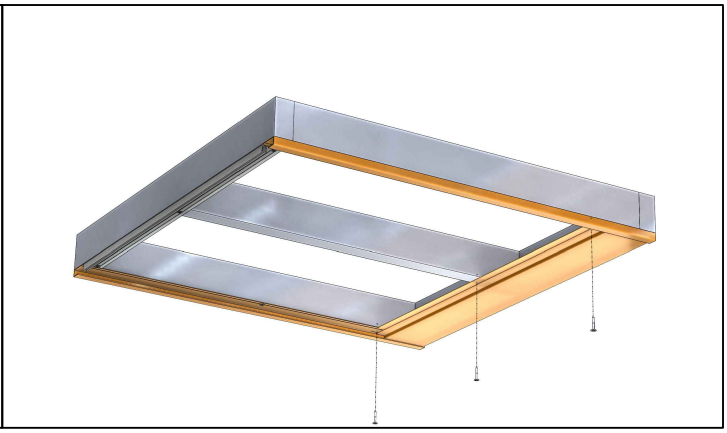
INSTALLATION GUIDE
Ceiling Applications

STEP 3 - Install First Board

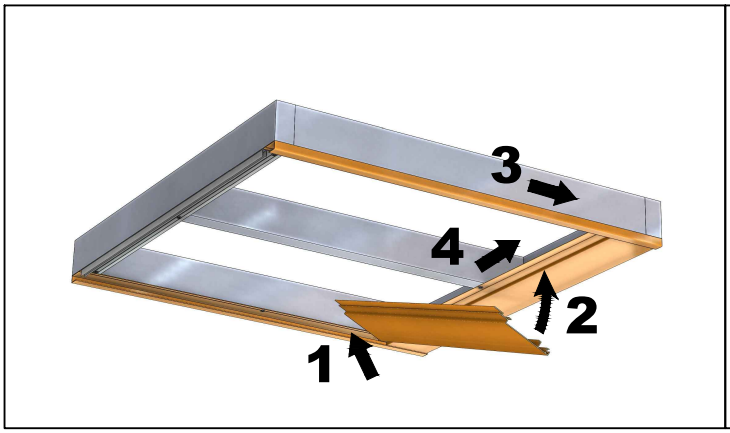
Measure, cut and install first board by positioning lip over the starter strip and fix board using 30mm 10G screws as required for your application. To ensure that the board has the required flex, ensure that the fixings are installed through the pre-punched slots. Failure to do so may result in excessive stress and failure on the board.

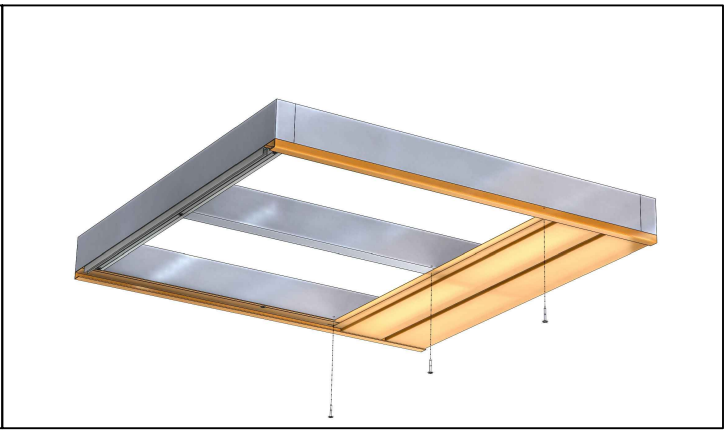




STEP 4 - Install Next Board and Repeat Until Final Board

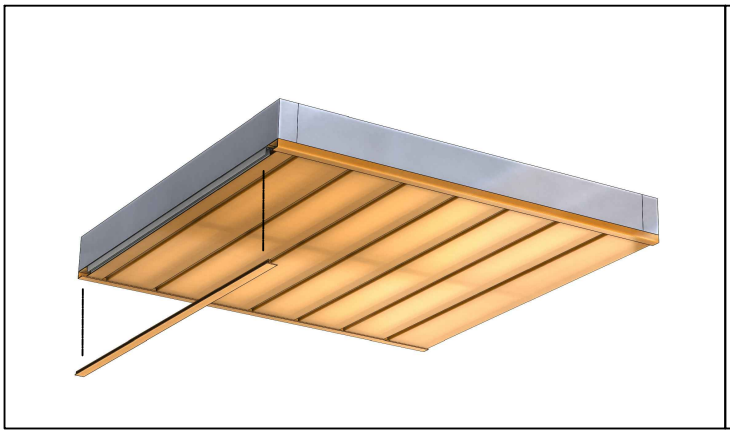
Install the next board by positioning lip over the positioning leg on the previous extrusion and fix board using 30mm 10G as required for the applicable wind loads. Ensure that the fixings are installed through the pre-punched slots.
NOTE - The final board may require trimming to fit.

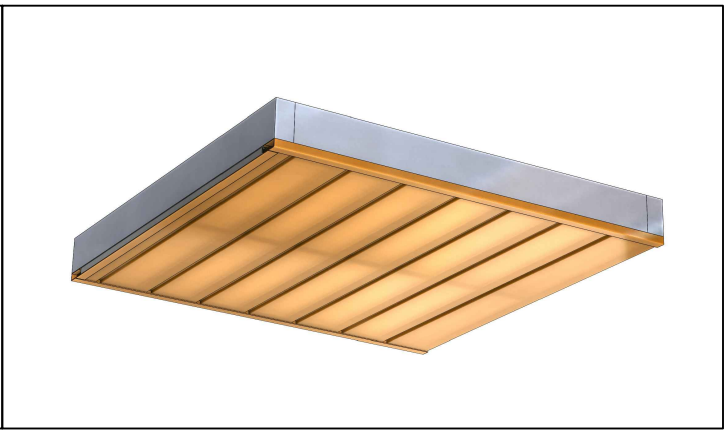




STEP 5 - Cut and Install Cover Strips

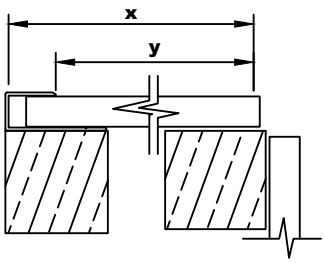
Measure horizontal Cover Strip Clip between the external face of the End Cover Channel members (see cutting tip), cut to length and snap in to fit.





CUTTING TIP

When cutting the boards to length, one method of ensuring that you have adequate coverage is to measure the distance available in the internal dimension of the End Cover Channel to the end of the cover at the other end and subtract 5mm. (See diagram)



LENGTH OF BOARD
=
x - 5mm

LENGTH OF COVER STRIP
= y - 2mm

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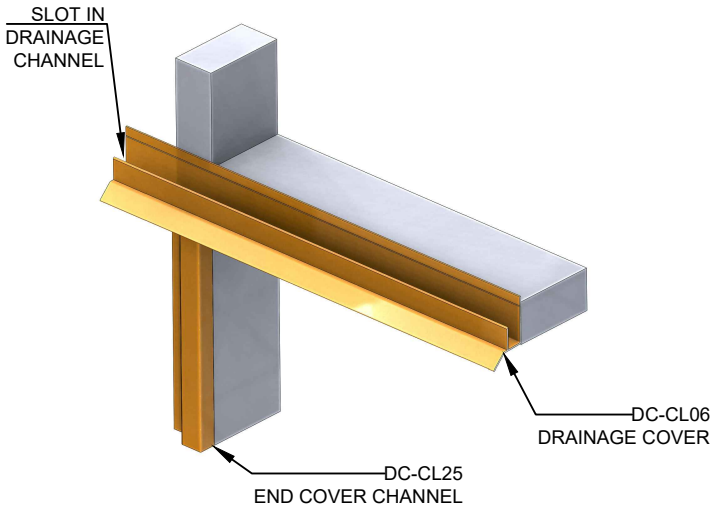
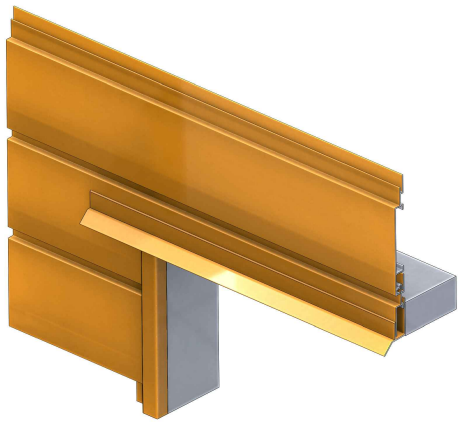
INSTALLATION GUIDE
Window & Door Applications

Drainage Cover

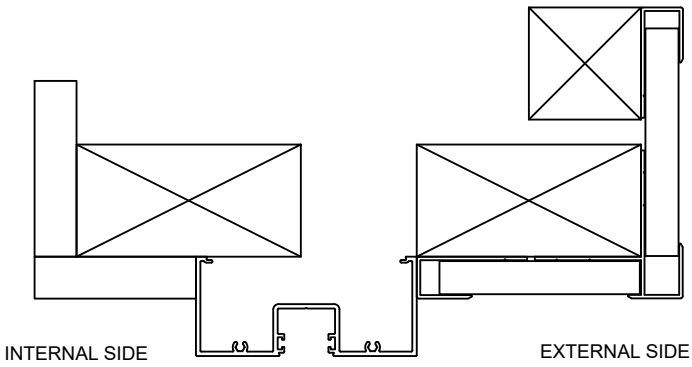
It is strongly advised that all windows and doors installed using an inline application are installed with a drainage cover to the head (see below detail). Drainage Cover (DC-CL06) should be extended beyond the window opening by at least 60mm. In order to do so the Drainage Cover will need to be slotted to accommodate the DecoClad board. When installing, the End Cover Channel should be butted up to the Drainage Cover.



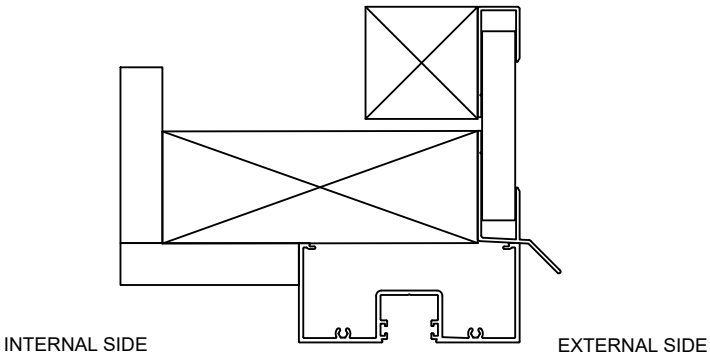
View of Head and Jamb before installation of boards



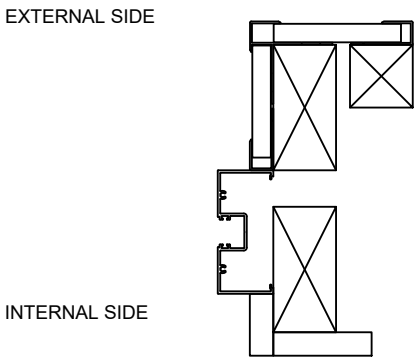
View of Head and Jamb with DecoClad boards installed



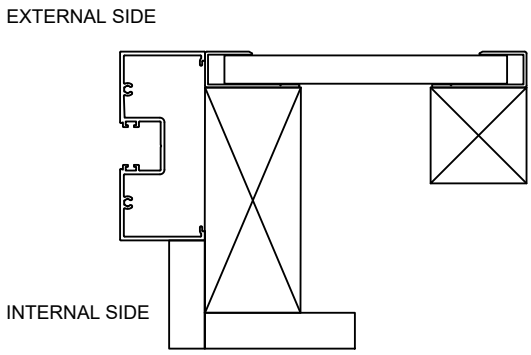
Window Head - Return option overview



Window Head - Inline option overview



Window Jamb - Return option overview



Window Jamb - Inline option overview

PLEASE NOTE: Details such as fixtures and sealant not shown.

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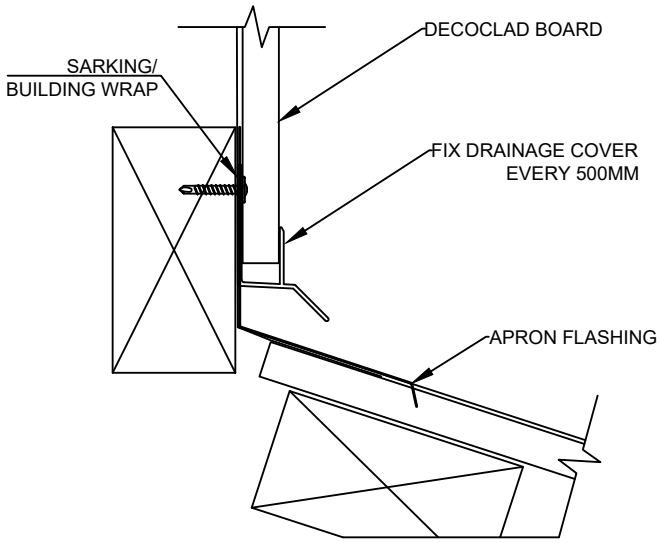
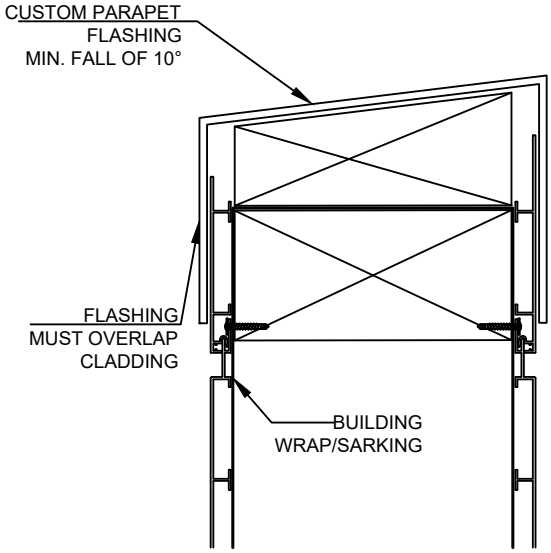
INSTALLATION GUIDE

ROOF AND WALL JUNCTION / PARAPET FLASHING DETAIL



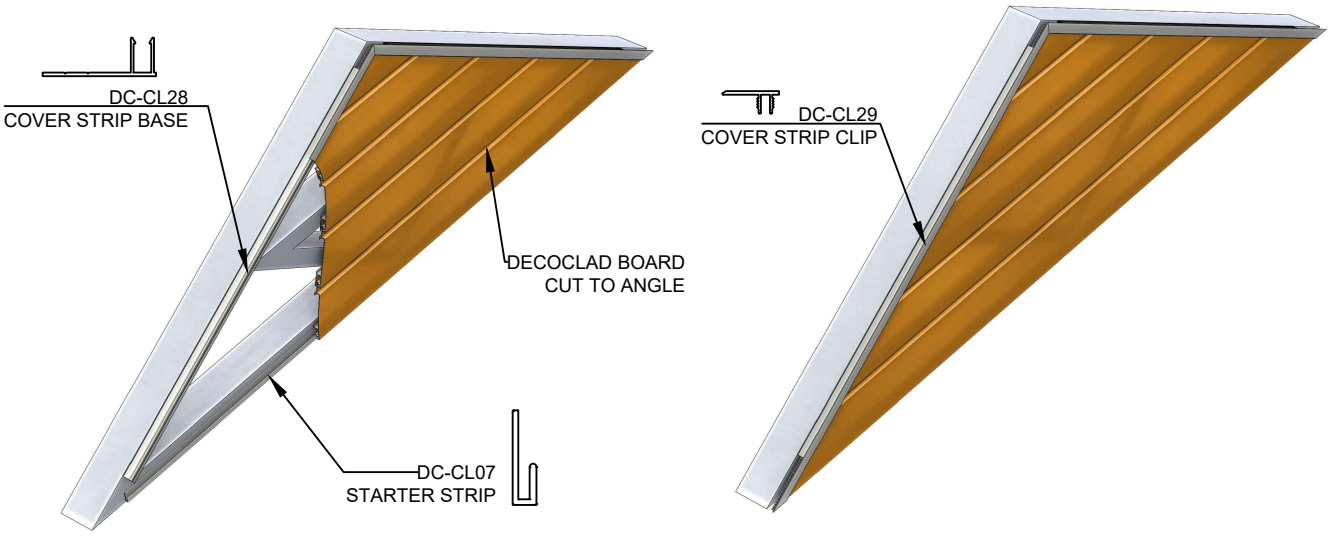
ROOF AND WALL JUNCTION OVERVIEW



PARAPET FLASHING OVERVIEW

PLEASE NOTE: Details such as fixtures and sealant not shown.

GABLE END DETAIL



WARRANTY FOR DECO PRODUCTS AND FINISHES

DECO warrants that DECO finishes have been applied in accordance with the Australian Standard for Architectural Powder Coating AS 3715. The warranty is for 12 years and is subject to the provisions set out in AS 3715, including maintenance and cleaning, as set out in Appendix C of the standard.

Please note that if a formal warranty certificate is required, then this must be applied for at the time of placing the order. This is because the standard requires DECO to process specimens for testing and reference, at the same time as the job is processed. A warranty application form can be obtained by contacting DECO by phone or email.

Contact your DECO Representative on (02) 9603 1888 for more information.

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