









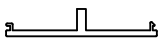


DECO

SLAT

For a classic timber-look slat fence, gate or screen designed with Australian conditions in mind, look no further than DecoSlat. A lightweight, durable aluminium slat coated in our realistic, hardwearing DecoWood finish, DecoSlat replicates the form, feel and appearance of timber, minus the hassle of ongoing maintenance. DecoSlat is made from non-combustible aluminium, making it ideal for bushfire areas. A versatile product, DecoSlat can be used in a variety of applications including slat fencing, privacy screens, gates and more, and with a wide variety of installations available, it can be used in a myriad of ways to suit your project.

DecoSlat Options

DC-DSL9016 90mm x 16mm		DC-DSL6516 65mm x 16mm		DC-DSL3816 38mm x 16mm		DC-DSL7516 75mm x 16mm		DC-DSL5010 50mm x 10mm		
DC-DSL5010C 50mm x 10mm								DC-DSL6516-2P 65mm x 16mm		
										
DC-DSL5010B 										

Please Note: Actual finish may vary from the render.

DecoSlat Range

The profiles shown above are our most popular standard sizes. For other sizes available in our range, please contact your DECO representative for more information.

DecoSlat

All DecoSlat 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 is 6.47m.

Please note: The usable length might be vary depending on the chosen finishes; please contact and discuss with your DECO representative for more information.

Performance

As part of DECO's commitment to providing compliant building products, all DecoSlat systems have been designed to meet Australia's stringent building standards.

DecoSlat has been tested / assessed to and passed the following standards:

DecoSlat - 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
DecoSlat - 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 manual and in order to claim the performances set out here within, the detail in this manual must be followed.

WARRANTY FOR DECO PRODUCTS AND FINISHES

DECO Australia 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 order. This is because the standard requires DECO Australia 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 Australia by phone or email.

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


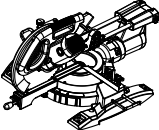
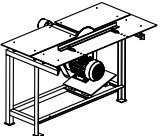
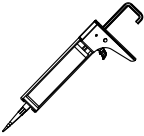
Intellectual Property

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






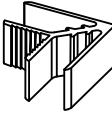


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DecoSlat Suggested Installation Tools & Products

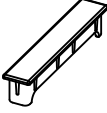
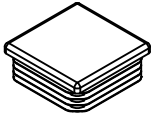


	IMPACT DRIVER A high-quality Impact Driver with an appropriate driver bit is recommended for fixing all extrusions to the structure/sub-frame.		MITRE SAW A high-quality Mitre Saw equipped with an aluminium cutting blade is recommended for cutting the extrusion to length and trimming the ends.
	TABLE SAW A high-quality Table Saw is recommended for ripping the final slat to the correct dimension in order to finish the installation. (May or may not be required)		SEALANT/ADHESIVE DECO recommends the use of high quality sealants and adhesives. Supplied by Installer

DecoSlat Accessories

	DC-ANG2520 25x20 ANGLE Angles can be installed and used for a wide variety of applications, including as a support when installing DecoSlat profiles. Angles are available in numerous sizes; please discuss the options with your DECO representative.		DC-DC01 20x20 CHANNEL The Channel is used to fix to existing posts or structures, and to support and fix the slats.
	DC-DC02 20x25 CONCEALED CHANNEL The Concealed Channel is used to fix to existing posts or structures, and to support and fix the slats while covering unsightly screws. It must be used with DC-DC03.		DC-DC03 20x25 CONCEALED CHANNEL COVER The Concealed Channel Cover is used to cover all unsightly screws. It must be used with DC-DC02.
	DC-DP65 65x65 POST - RADIUS CORNER Standard 65 x 65mm post structure for installing and supporting slats.		DC-DP50 50x50 POST - RADIUS CORNER Standard 50 x 50mm post structure for installing and supporting slats.
	DC-DPC50 50x50 GATE FRAME WITH CHANNEL 50 x 50mm post structure with integrated channel for supporting and installing the slats.		DC-DPICS 50MM INTERNAL CORNER STAKE The corner stake is used to join two mitre cut posts. Available in 45mm (for right corner post) or 38mm (for radius corner post).
	FS01 50MM INTERNAL FOOT STAKE The internal foot stake is used for fixing standard 50 x 50 posts into concrete while hiding the whole foot stake.		DC-PR01 Pop Rivet Colour matched pop rivets provide an aesthetic finish for a channel or angle.

DecoSlat End Caps

As a part of the DecoSlat range, end caps are available to match your chosen slat profile. End caps are available in colour-matched aluminium or black plastic for one-piece, two-piece and self mating slat systems. (Please see more info below). For other sizes available in our range, please contact your DECO representative for more information.

	COLOUR MATCHED CAST END CAP Available in DC-ECC5010: 50mm x 10mm DC-ECC6516: 65mm x 16mm DC-ECC9016: 90mm x 16mm (For further information please contact your DECO representative.)		BLACK PLASTIC END CAP Available in DC-ECB5050: 50mm x 50mm DC-ECB6565: 65mm x 65mm DC-ECB6516: 65mm x 16mm (For further information please contact your DECO representative.)
	COLOUR MATCHED PRESS FIT END CAP Available in all profiles.		DC-ECBDC TWO-PIECE CHANNEL END CAP (Black Plastic) Specific end cap designed for DC-02 & DC-03 20 x 25 Concealed channel.

DECO

SLAT

Preparation

To ensure a straight, consistent and parallel installation, it is strongly recommended that a level is used to position each channel/slat throughout the installation. High quality packers are also recommended to space out the gaps between each slat during installation.

Installation Surface

When installing DecoSlat products, care should be taken to prepare the installation surface adequately to ensure that it is fit for the intended purpose. The surface should also be clean and flat, and preparations (such as backing colour) should be applied before the installation of DecoSlat products.

Supporting structure and Fixing

Before installing any DecoSlat products, the supporting structure should be assessed to ensure that it is structurally sound and able to support live and dead loads of the DecoSlat products that are to be installed.

DECO recommends that users contact a certified engineer to assess the supporting structure and fixings required when installing DecoSlat, especially in high-wind and high-risk areas.

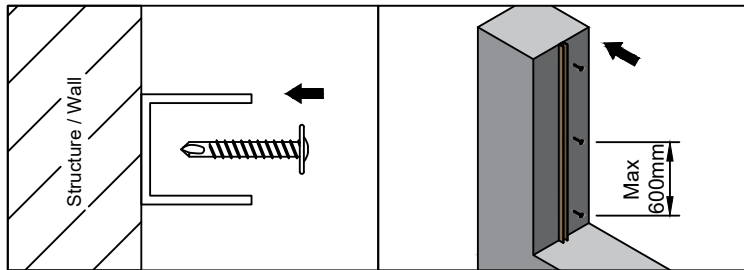
Processing of DecoSlat

WARNING - When processing DecoSlat products 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. It is also important that the work space is clean and free from dust, sawdust, metal fines and/or shavings. Processing of the slats in areas with excessive dust, sawdust, metal fines and/or shavings risks potential damage to the finished surface.

Option 1 - Channel

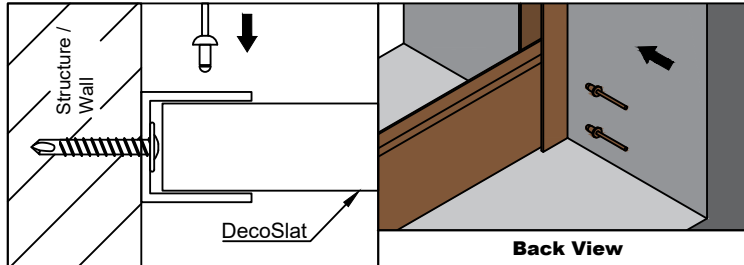
Step 1 - Apply the Channels

Position the channel onto the structure on both sides and screw fix it.



Step 3 - Fix the first Slat

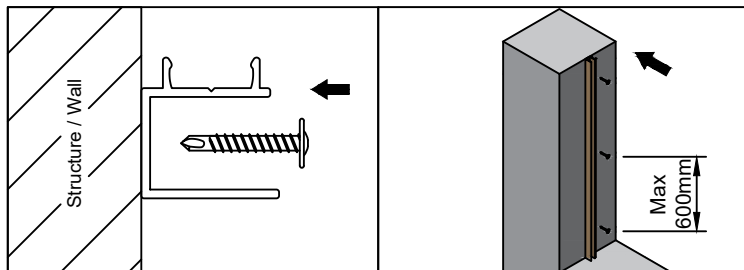
Fix the slats into position using colour matched pop rivets at the back of the frame.



Option 2 - Concealed Channel

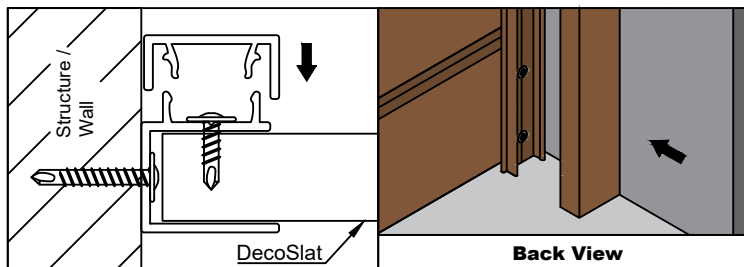
Step 1 - Apply the Concealed Channels

Position the concealed channel onto the structure on both sides and screw fix it.



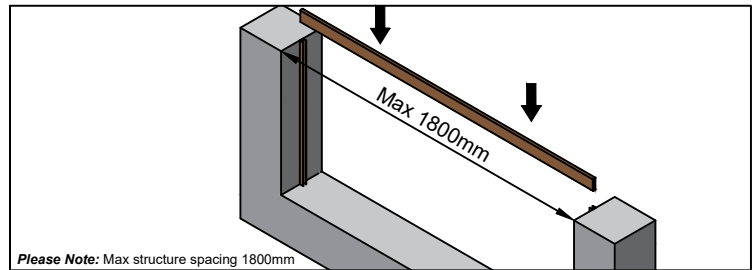
Step 3 - Snap in the Concealed Channel Cover

Repeat Step 2 until all slats are installed and snap the concealed channel cover over the concealed channel.



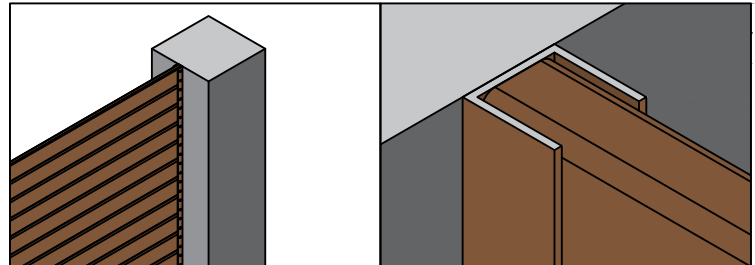
Step 2 - Slide in the Slat

Cut the slats to the desired length and slide into the channel.



Step 4 - Install additional Slats and Fix as Required

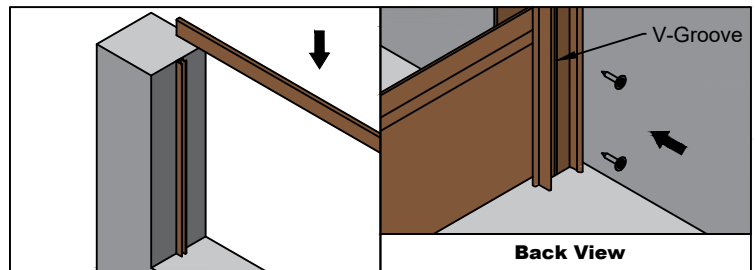
Repeat step 2-3 until all slats are all installed.



Step 2 - Slide in the slats and Fix as Required

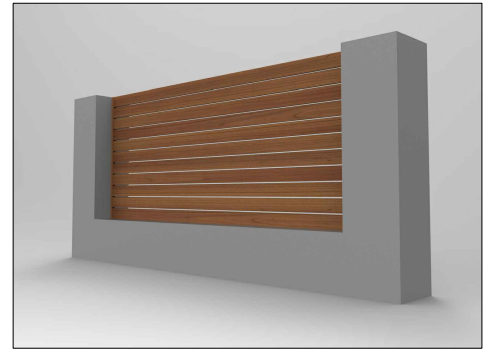
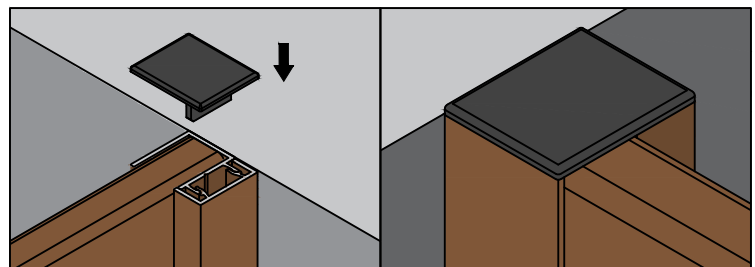
Cut the slats to the desired length and slide into the concealed channel.

Screw fix the slats using the v-groove as a guide.



Step 4 - Apply End Caps

Lastly, press fit the two-piece channel end caps to complete the installation.



DECO

SLAT

Preparation

To ensure a straight, consistent and parallel installation, it is strongly recommended that a level is used to position each post/channel/slat throughout the installation. High quality packers are also recommended to space out the gaps between each slat during installation.

Supporting structure and Fixing

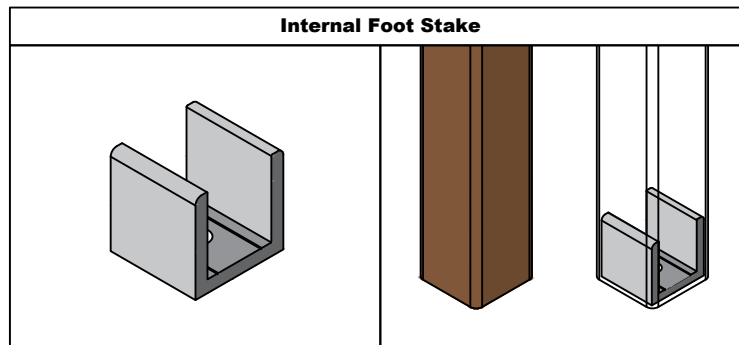
Before installing any DecoSlat products, the proposed supporting structure should be assessed to ensure that will be structurally sound and able to support live and dead loads of the DecoSlat products that are to be installed. DECO recommends that users contact a certified engineer to assess the supporting structure and fixings required when installing DecoSlat, especially in high-wind and high-risk areas.

Processing of DecoSlat

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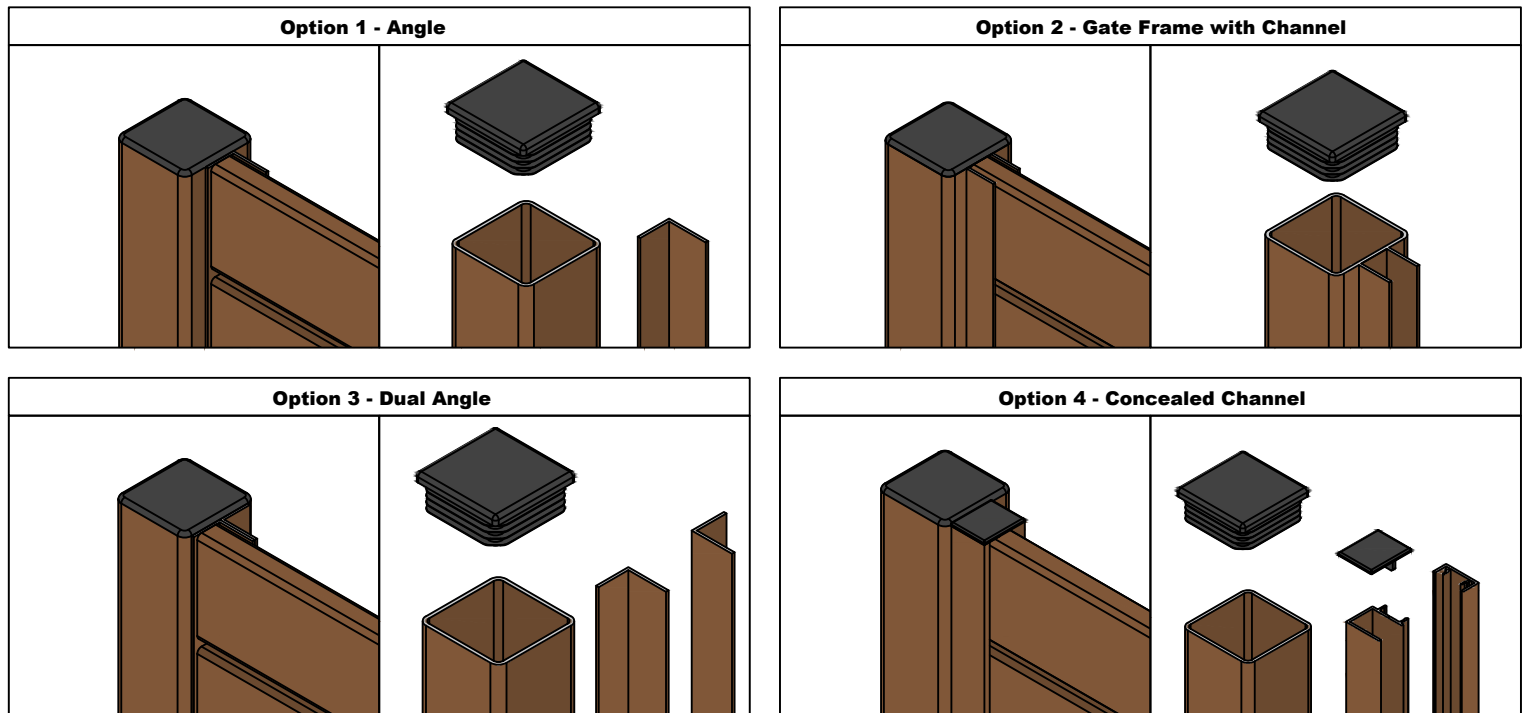
Internal Foot Stake

The internal foot stake is used to secure standard 50 × 50 posts into the ground. See the example below for the resulting finish.



Options of Installation between Posts

DecoSlat can be installed between posts using a number of different methods; the below are only four of many different options available. Different effects can be created using different options depending on your desired application. All options below require different components to complete the installation. For further detail please contact your DECO representative to discuss. **Please Note:** Max spacing between post 1800mm.



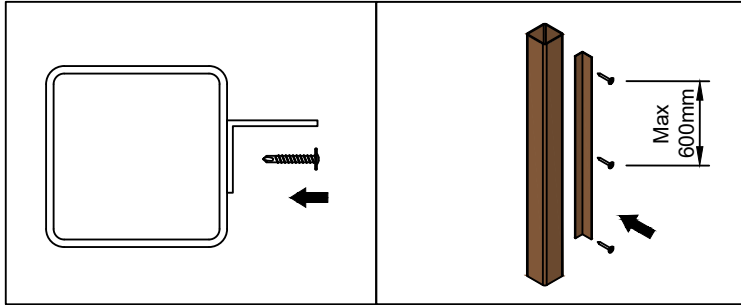
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Option 1 - Angle

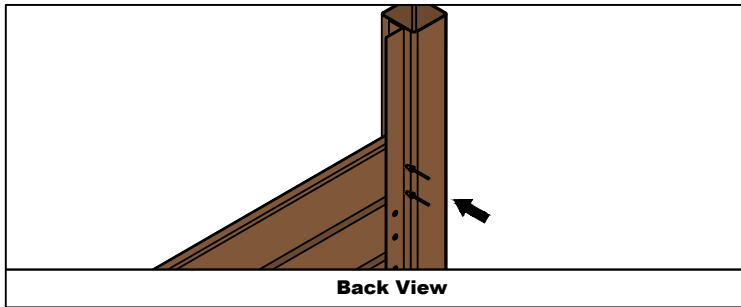
Step 1 - Apply the Angle onto the Post

Position the angle onto the post in the desired location and screw fix onto the post.



Step 3 - Install additional Slats and Fix as Required

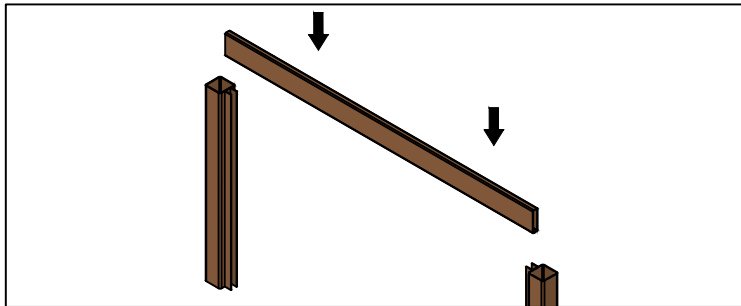
Space out all the slats evenly and repeat step 2 until required slats are installed.



Option 2 - Gate Frame with Channel

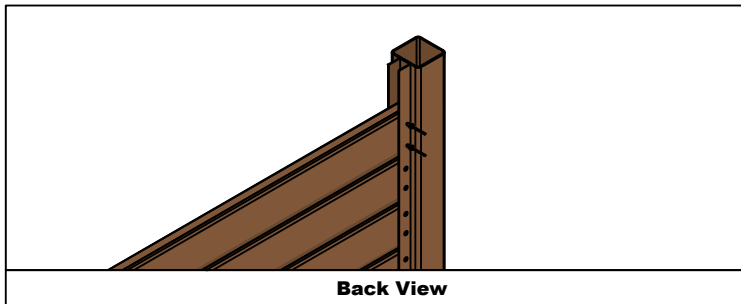
Step 1 - Slide the Slats into the Posts

Cut the gate frame channel to the desired length and slide the first slat into the channel on the post.



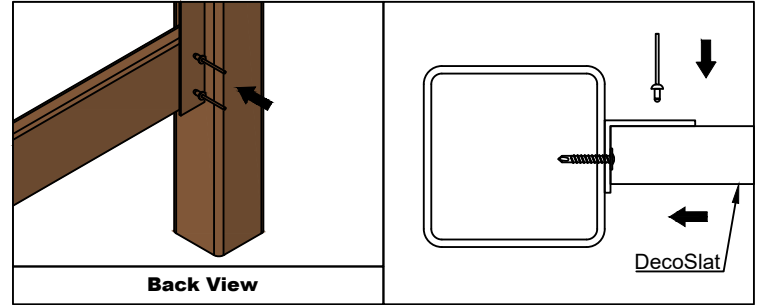
Step 3 - Install additional Slats and Fix as Required

Space out all the slats evenly and repeat Step 2 until required slats are installed.



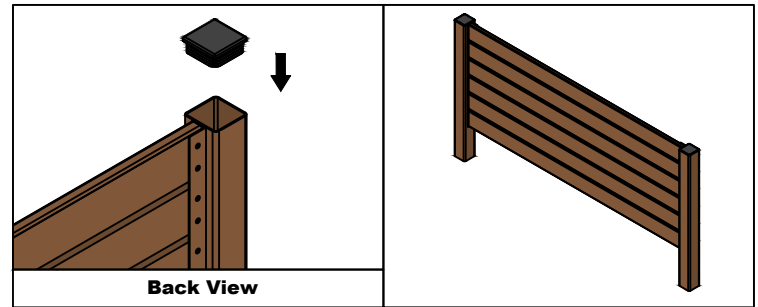
Step 2 - Apply and fix the Slats onto the Angle

Using colour matched pop rivets, fix the slats onto the angles.



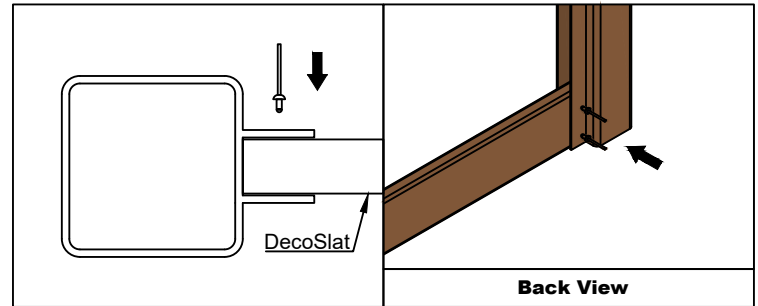
Step 4 - Install the End Cap

Finally, press fit the correct end caps into the posts to complete the installation.



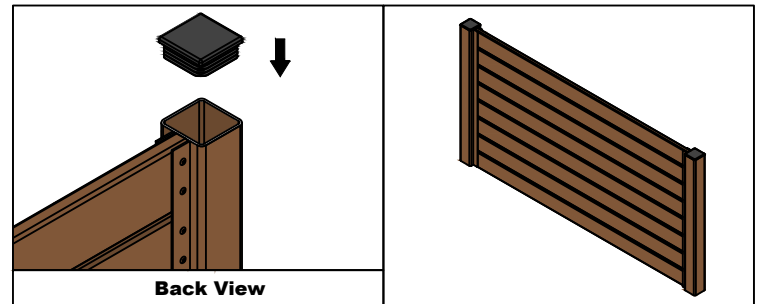
Step 2 - Fix the Slats with Pop Rivets

Using colour-matched pop rivets, fix the slats into the channel.



Step 4 - Apply End Caps

Lastly, press fit the correct end caps into the posts to complete the installation.



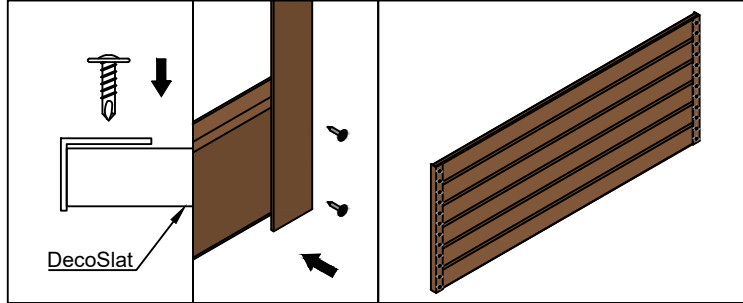
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Option 3 - Dual Angle

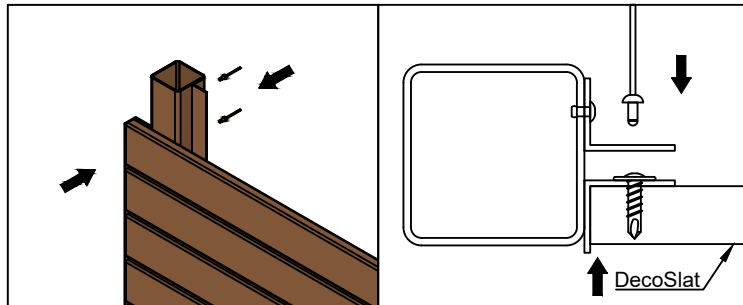
Step 1 - Assemble a screen of Slats

Attach the angle to slats using pop rivet /screws at the back. Evenly space the slats and repeat until all desired slats are all installed into a screen of slats.



Step 3 - Install the Screen of Slats onto the Post

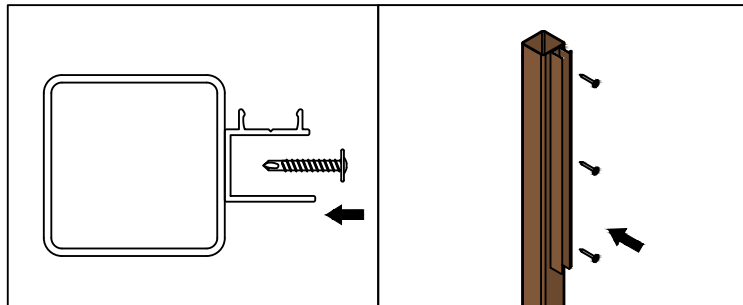
Position the screen of slats (Step 1) onto the post with an angle attached on (as seen in Step 2), and fix with colour matched pop rivets at the back of the fence.



Option 4 - Concealed Channel

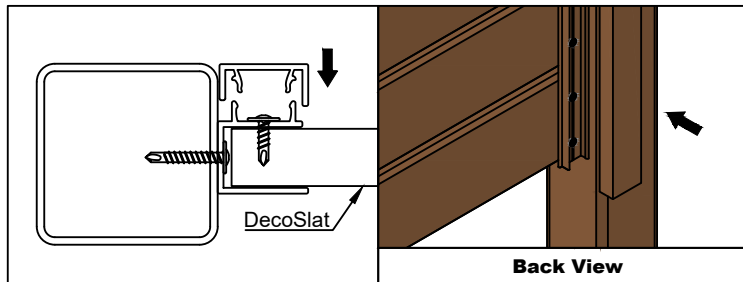
Step 1 - Apply the Concealed Channel onto the Post

Position the Concealed Channel onto the centre of the Post, and screw fix it.



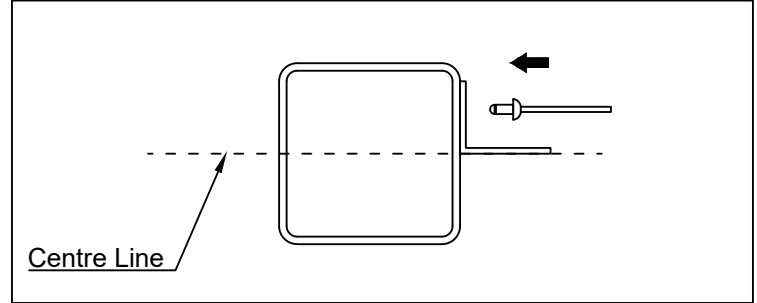
Step 3 - Snap in the Concealed Channel Cover

After installing all the slats, snap in the concealed channel cover over the concealed channel.



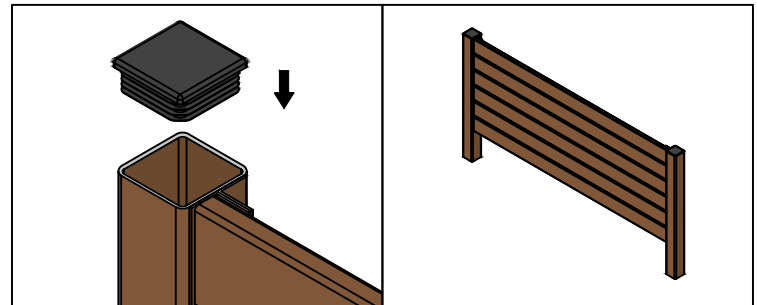
Step 2 - Apply Angle onto the Post

Position the angle on the centre line of the post, and use colour matched pop rivets to fix the angle onto the post.



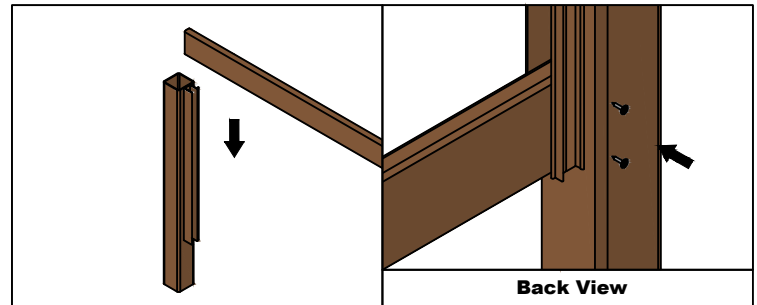
Step 4 - Apply End Caps

Finally, press fit the correct end caps into the post to complete the installation.



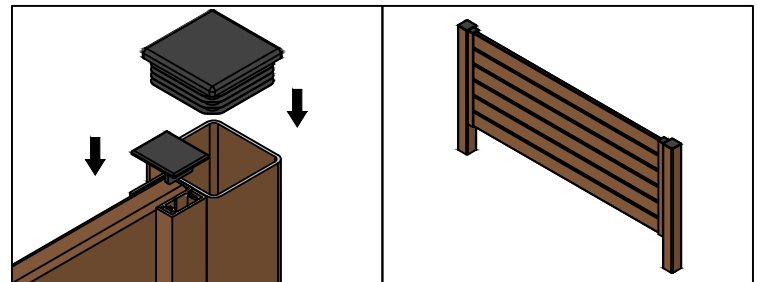
Step 2 - Slide in the Slats and Fix as Required

Slide in the slats and screw fix using the v-groove as a guide.



Step 4 - Install the End Caps

Press fit the correct end caps for the post and two piece channel end cap for the concealed channel.



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Preparation

To ensure a straight, consistent and parallel installation, it is strongly recommended that a level is used to position each post/channel/slat throughout the installation. High quality packers are also recommended to space out the gaps between each slats during installation.

Supporting structure and Fixing

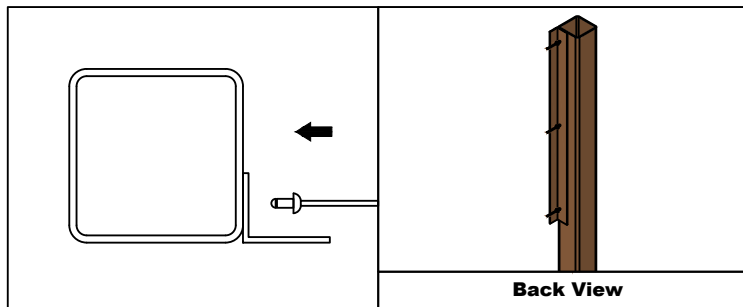
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Processing of DecoSlat

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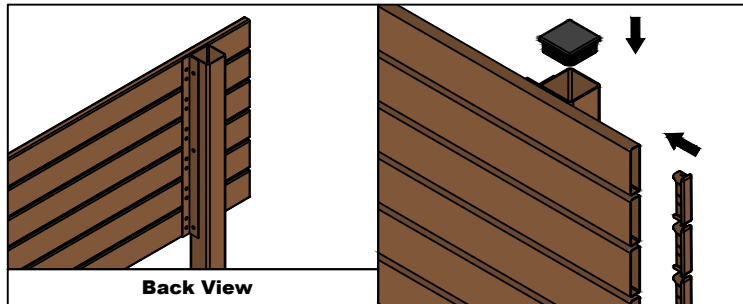
Step 1 - Apply the Angle onto the Post

Position the angle flush with the posts, and use colour matched pop rivets to fix it.



Step 3 - Apply End Caps

Install the end caps for both the slats and the post.

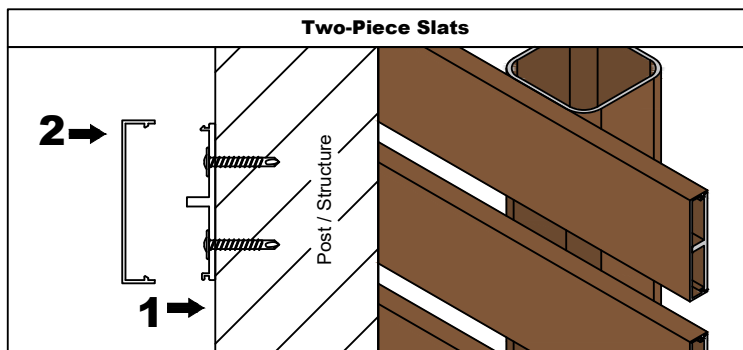


Two-Piece and Self-Mating Slats

Both two-piece and self-mating slats can also be installed onto a structure while concealing all the screw fixings. Both slats share the same installation method. Install the base first when using two-piece slats. If using the self-mating slat, either piece can be installed first, as both pieces are the same shape profile. These two options offer different effects - two-piece slats have right angle corner edges, while self-mating slats have a radius edge.

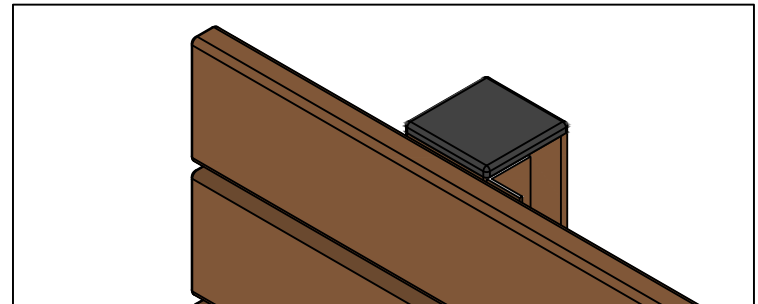
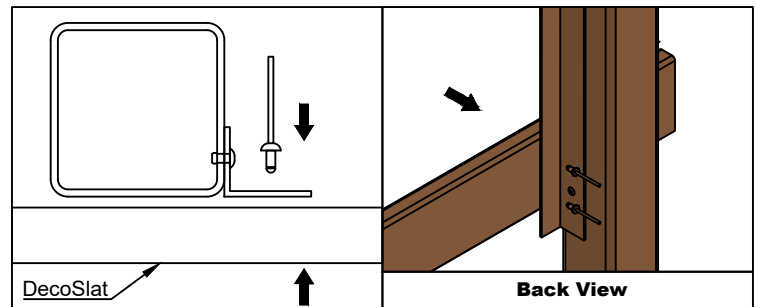
Two-Piece Slats

- 1) Screw fix the two-piece slat base onto the post/structure
- 2) Snap the two-piece slat cover onto the base



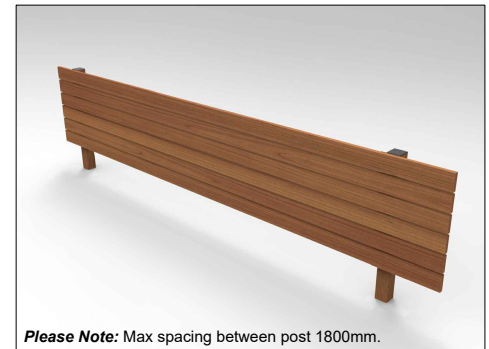
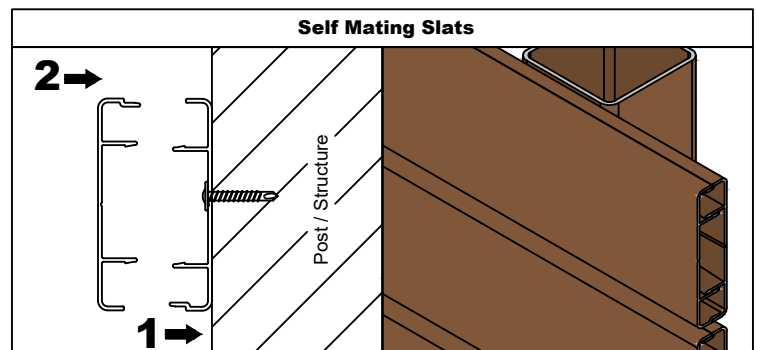
Step 2 - Install Desired Slats and Fix as Required

Using colour matched pop rivets, fix the slat onto the angle, space out the slats evenly and repeat the process until desired slats are installed.



Self-Mating Slats

- 1) Screw fix the first half of the self-mating slat onto the post/structure
- 2) Snap the second half of the self-mating slat onto the first half



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Preparation

To ensure a straight, consistent and parallel installation, it is strongly recommended that a level is used to position each frame/channel/slat throughout the installation. High quality packers are also recommended to space out the gaps between each slats during installation.

Supporting structure and Fixing

Before installing any DecoSlat products, the supporting structure should be assessed to ensure that it is structurally sound and able to support live and dead loads of the DecoSlat products that are to be installed. DECO recommends that users contact a certified engineer to assess the supporting structure and fixings required when installing DecoSlat, especially in high-wind and high-risk areas.

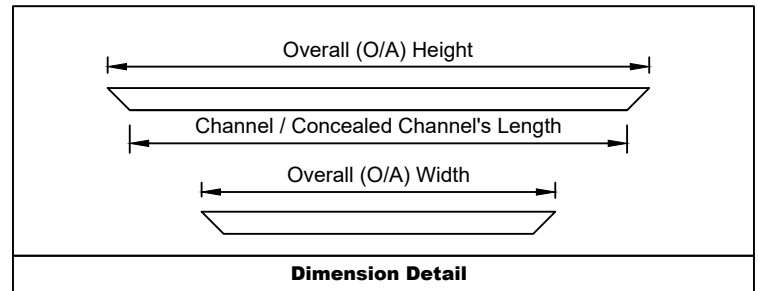
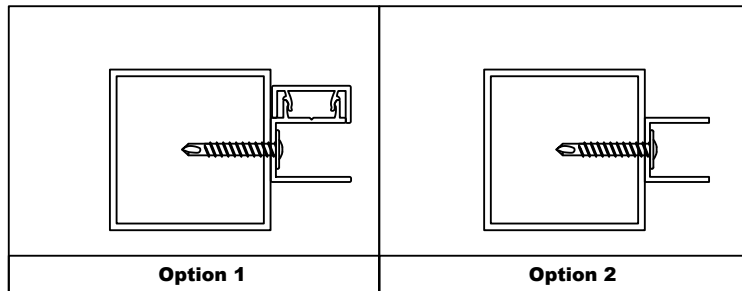
Processing of DecoSlat

WARNING - When processing DecoSlat products 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. It is also important that the work space is clean and free from dust, sawdust, metal fines and/or shavings. Processing of the slats in areas with excessive dust, sawdust, metal fines and/or shavings risks potential damage to the finished surface.

2 Options for Gate Frame

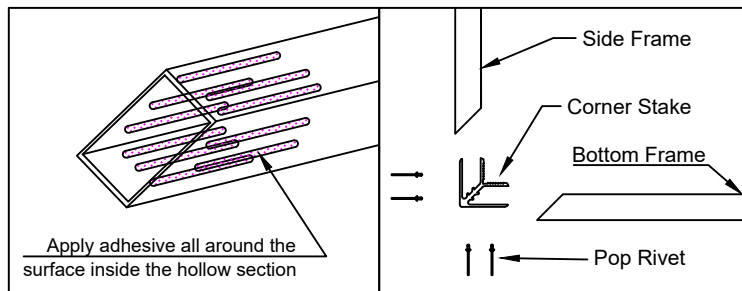
DecoSlat can be assembled into a gate frame using many different methods; the following are only two of many. **Option 1** : Right angle corner post + concealed channel

Option 2 : Right angle post + channel. When starting to build the gate frame, it is important to get the dimensions correct while mitre cutting the side, top and bottom frame. (See Dimension Detail) **Please note**: Radius corner post requires a 38mm corner stake.



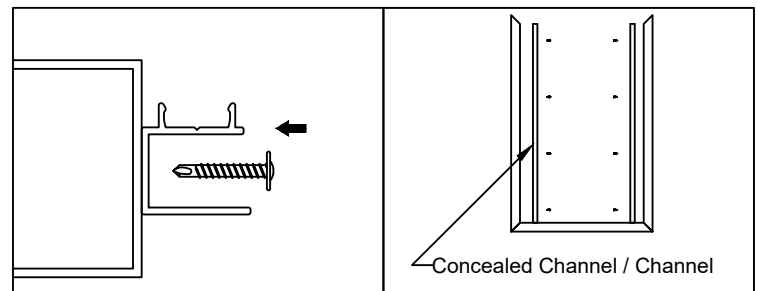
Step 1 - Assemble Overall Framing

After preparing the side and bottom frames, carefully join them by using a suitable size corner stake and fix with adhesive and colour matched pop rivets as required.



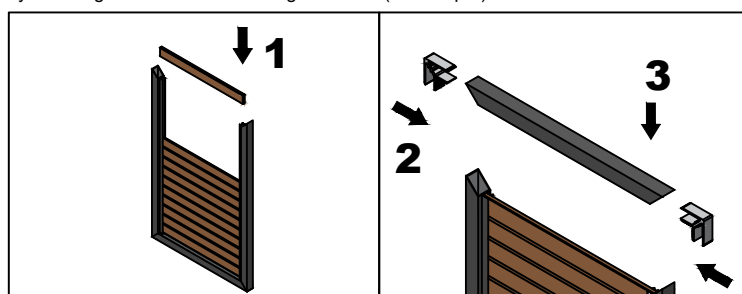
Step 2 - Apply Concealed Channel onto the Post

Measure and cut the concealed channel to the required dimensions, and screw fix onto the inner wall of the frame.



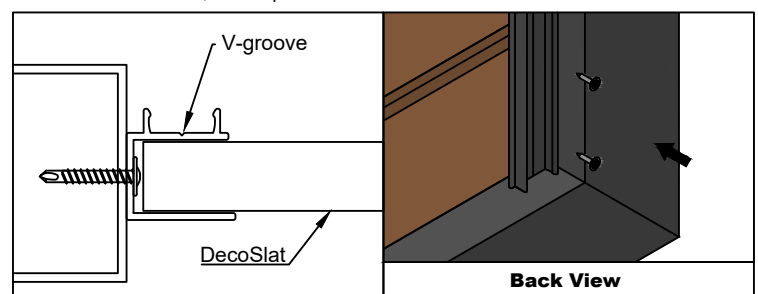
Step 3 - Slide in the Slats and install the Top frame

Using the concealed channel as a guide, slide in all the slats required. Fix the top frame by inserting the corner stake using adhesive (see Step 1).



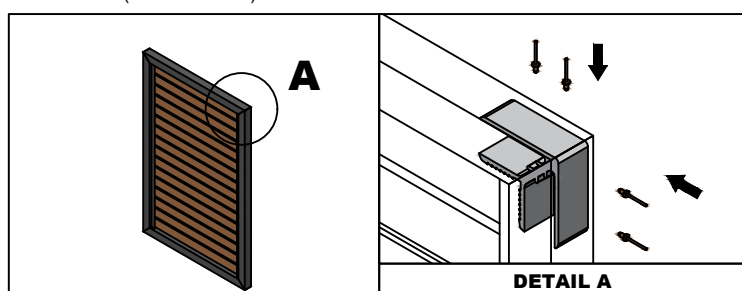
Step 4 - Fix all the slats as required

Evenly space out the slats then use the v-groove as a guide to screw fix the slats into the concealed channel, then repeat until desired slats are installed.



Step 5 - Use Pop Rivets to Fix the Top Frame

In the same way as in Step 1, use colour matched pop rivets to fix the frame and the corner stake. (see DETAIL A)



Step 6 - Snap in the Concealed Channel Cover

Ensure the concealed channel cover has the same dimension as the concealed channel. Snap the cover over the concealed channel.

