

BelAire Louver Installation

BelAire[®]
DESIGNER FENCING



Defining your space

Design Versatility | Built to Last | Noise Barrier | Easy Construction

Introduction

This guide will show you how to install the BelAire Aluminium Louvres in between your posts.



IMPORTANT

Please read all the instructions prior to starting the installation of your Louvres. Understanding the process correctly will be the difference between a good and great result.

The recommendations detailed in this guide produced by BelAire are formulated along the lines of good building practice. They are not intended to be an exhaustive statement of all the relevant data. Further, as the success of projects depend on factors outside the control of BelAire (e.g. quality of workmanship, particular design, detail requirements, etc), BelAire accepts no responsibility for, or in connection with, the quality of the projects or their suitability when completed.

If you are in any doubt please seek independent advice or contact BelAire. We are always happy and available to answer questions regarding installation no matter how small or insignificant you think they may be.

24/7 technical and installation advice is available on ph: 0800 235 2473

It is recommended the reader pays particular attention to items identified as **IMPORTANT** in this manual to ensure a satisfactory installation and the long term performance of the products.



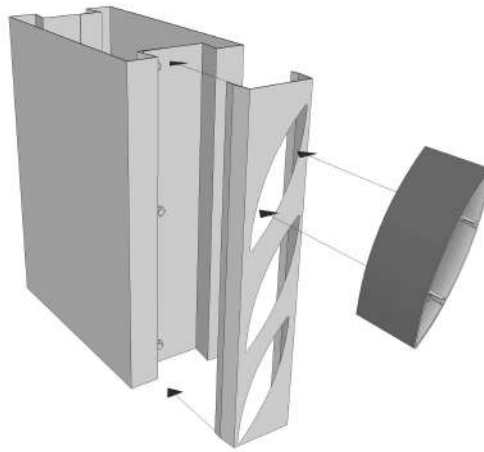
Louvre fixing methods

BelAire Louvers have more than one method to install, depending on the application, will depend on what method you have received.

Choose the method below that fits your application, and turn to the corresponding page.

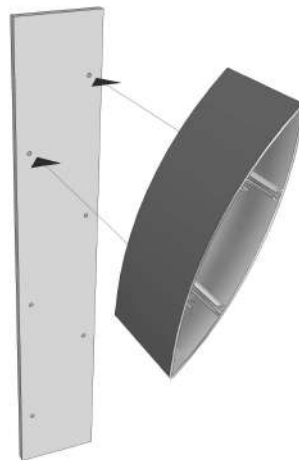
Punched endfill method

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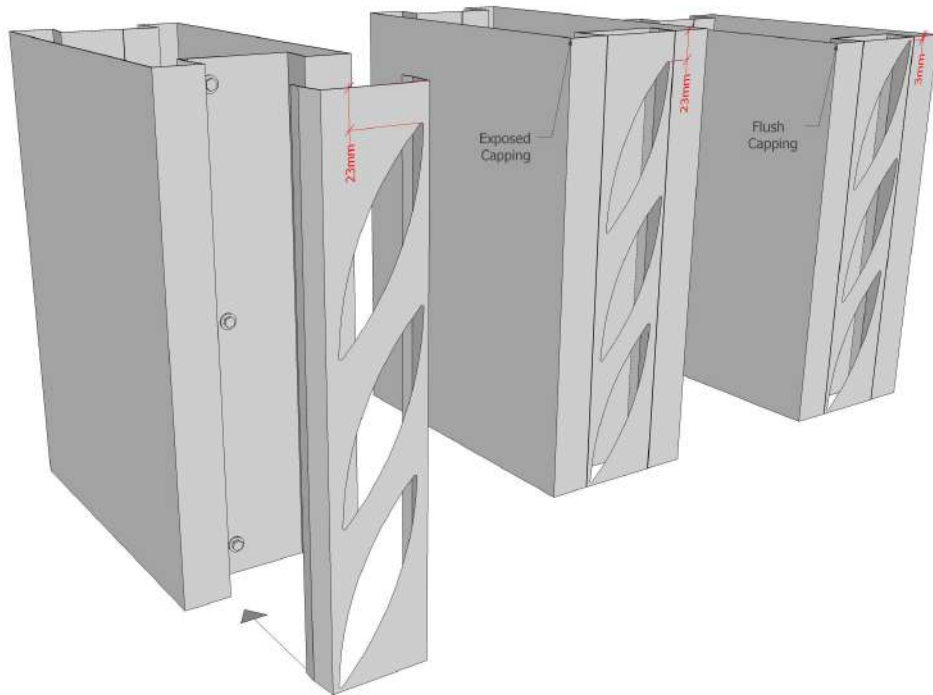
Flat bar method

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Installation guide

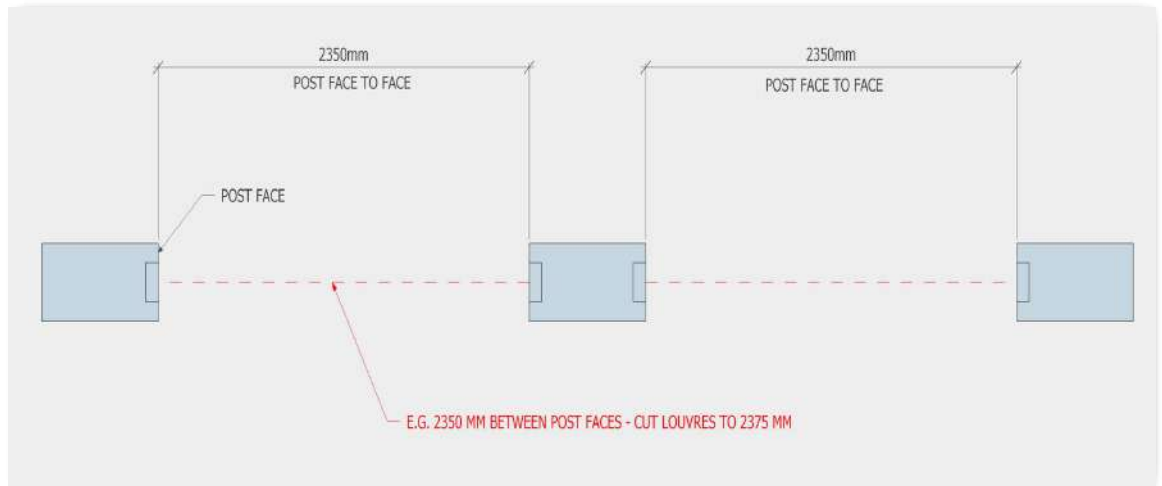
Punched endfill method



STEP 1 – Insert your post endfills with the punched holes for the aluminium Louvres as shown above

All you need to do is clip them into the end of the post that is protruding past the top of the panel, for exposed post caps, ensure the 23mm space on the endfill is located at the top (this allows for the post cap to slide over the top of the post). This step is not required for flush capping.

Each bay will have an opposite pair of punched holes, thus meaning, when the endfills have been inserted, the holes will all be leaning in the same direction.



STEP 2- Cutting your Louvres to the correct length

Measure from one post face to the inside of the opposite post face. once you have, add 25mm to the measured length and cut the Louvre to that required length, this allows for the Louvre to slide into one side of the post and then slide back into the other side of the post at the opposite end.

E.g. Post face to post face measures 2350mm you would cut your Louvre to 2375mm in length.

Cut one Louvre first and try it before cutting them all.

Repeat this process for each bay requiring Louvres.

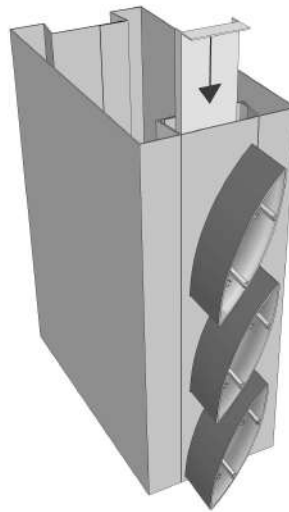
STEP 3 - Installing your Louvres

With your end fills in and your Louvres all cut to length you can now insert all your Louvres



STEP 4 – Inserting a packer in behind the Louvres.

Once you have finished the installation of your Louvres, you will need to place the supplied end packer down behind each end of the Louvres to stop them from sliding out of their Pre- punched holes (see picture below)



STEP 5 – Finishing your wall

Once you have finished the installation of your Louvres, you can now complete your wall by fitting the post tops (as per the wall installation guide)



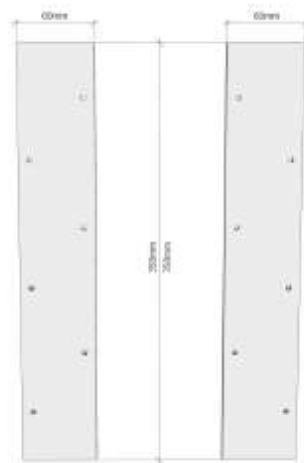
Flat Bar method

In your pack of louvres, you will receive two lengths of flat bar per bay (left and right), each opposite orientation to ensure the louvres are all leaning the same direction.

The louvre profile has four internal screw ports, enabling you to screw the louvres to a structure. (Flat bar)
Each flat bar will be pre-drilled to house the louvres, based on the height that's been ordered.

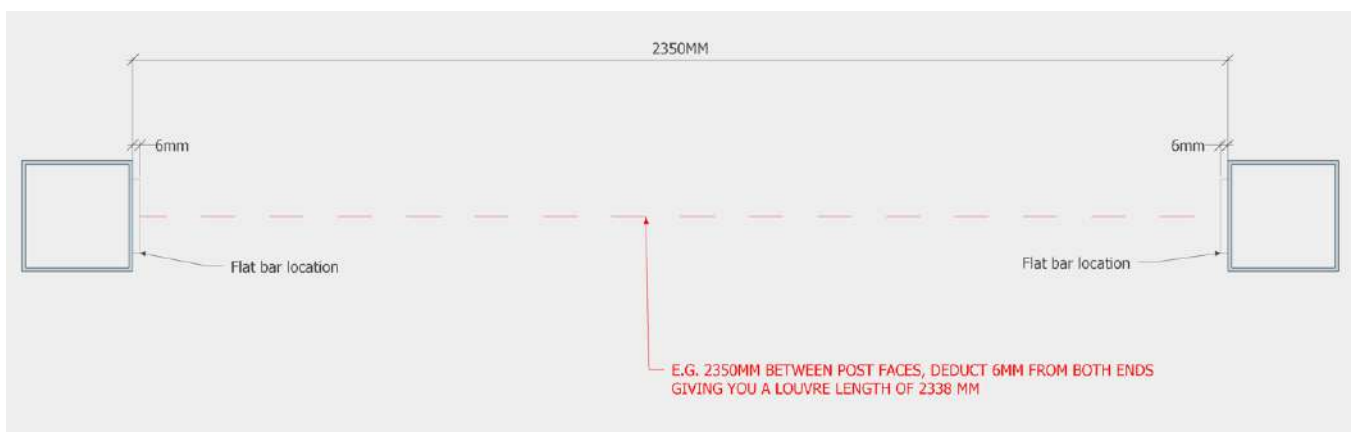


Cutting each louvre accurately to length is critical to achieve a straight panel



STEP 1 – Cutting louvres to length

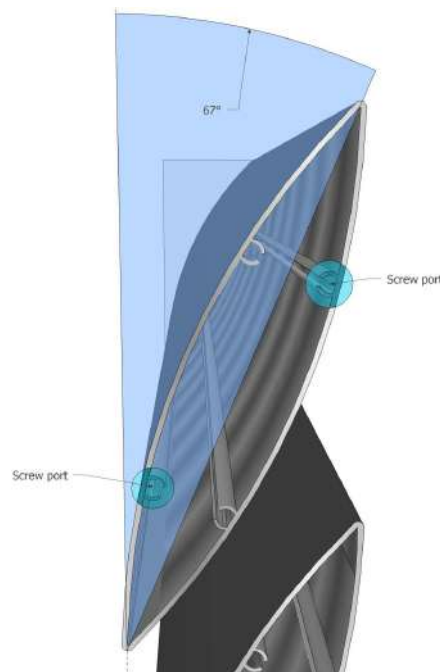
Measure between the two faces of your posts, deduct the thickness of your flat bar from both ends and cut your louvres to this dimension.



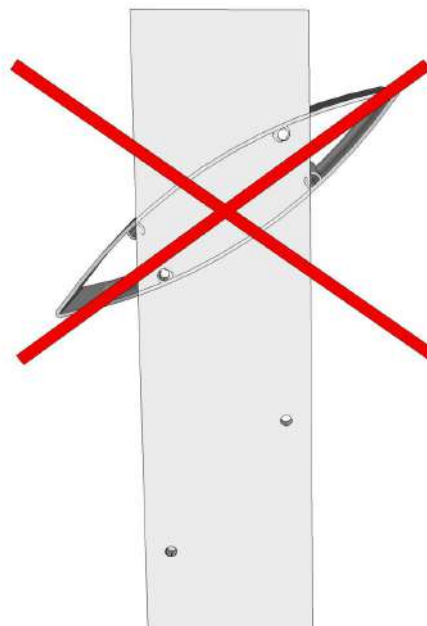
STEP 2 – Assembling louvre panels

Select the left and a right pair of pre-drilled Flat bars.

Using the countersunk screws supplied, With an impact driver, screw through the flat bar directly into the screw ports in the louvres. (The louvres should be on approx 65°/70° angle)

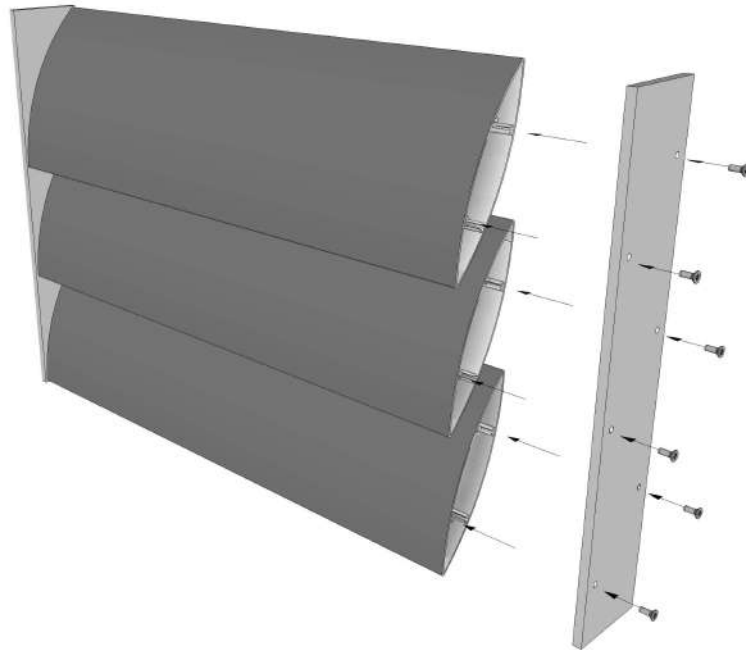


The Louvres should not be on an angle like this.



STEP 3 – Assembling louvre panels continued

Continue until all the louvres have been securely fastened in place, and the panel is fully assembled.



The countersunk holes on the flat bar should be facing outwards.

STEP 4 – Prep panel for installation

Drill 5mm Holes in the flat bar to enable the louvre panel to be fitted to a post/structure.

Holes shown in the image below, marked red.

Fixings should be no more than 500 mm apart, Some panels may require up to 4 or 5 screws per side. (E.G. 1800mm High panels)

350mm High Louvres = Min 2 anchors per side

600mm High Louvres = Min 3 anchors per side

900mm High Louvres = Min 3 anchors per side

1200mm High Louvres = Min 4 anchors per side

1500mm High Louvres = Min 4 anchors per side

1800mm High Louvres = Min 5 anchors per side



Depending on your fixing type, a countersunk hole may look best.

*Please note, the countersunk hole will be facing inwards this time.

STEP 5 – Panel installation

You can now insert the panel between your posts/structure, and screw them into position through the holes made in step 4.
Please note, Pre-drilling a pilot hole may be required.

