



Apollo+

ALUMINIUM TWO-PIECE BATTENS

The Apollo Two-Piece Aluminium Batten System is designed to be a highly customisable, durable, and easy to install linear batten solution for external applications.



SYSTEM  
ATTRIBUTES

Fast and easy installation

Flexible design

Group 1 fire complaint

Suitable for external applications

Weatherproof

Australian design & manufacture

Concealed fixing

Durable

# Profiles

# Batten Profiles

Two-Piece Base Plate



50mm deep x 50mm wide

100mm deep x 50mm wide



**Note:** Both 50mm and 100mm deep cover plates are designed to fit onto a 50mm wide base plate.

End Caps



Joiners



# Finishes

# Finishing Options

## Powder Coating

Apollo Two-Piece Aluminium Battens are available in all Dulux powder coat colours. Please be aware that minimum order quantities on some non-standard powder coats may apply.

## Anodising

Battens are available in an anodised finish. Anodising is available in a variety of different thicknesses, subject to your application. Please speak to your local Apollo Consultant to ensure that you are specifying an Anodised finish that is suitable to your application.



*Note: Indicative colour wheel only. Please contact your local Apollo consultant to discuss your options.*

## Timber Effect

Battens are available in 11 standard timber effect powder coat finishes, with other timber effect powder coats available upon request.



Birchwood    Nordic White Oak    European Spruce    Natural Ash    Scarlet Oak    Blonde Oak



Amber Oak    Light Oak    Spotted Gum    Mahogany    Black Ash

# Performance



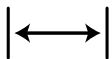
## Performance Criteria

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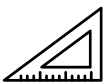
### Fire Performance

The Apollo Two-Piece Aluminium Batten System achieves a Group 1 rating as per Section 9 (n) of AS5637.1-2015, the determination of the group number is based on the AS/NZS 3837-1998 test, and is deemed valid in the cone calorimeter for the assignment of National Construction Code (NCC) group number.



### Batten Lengths Available

The Apollo Two-Piece Aluminium Battens are supplied at 5400mm as standard. Other lengths are available upon request (3000mm-7000mm), however additional charges may be incurred.



### Maximum Cantilever

The maximum cantilever recommended for the Apollo Two-Piece Aluminium Batten System is 400mm.



### Warranty

For external applications, the Apollo Two-Piece Aluminium Batten system comes with a 10-year warranty. Please contact your local Apollo consultant for your project specific warranty.

# Installation Guide



# Cut. Clip. Complete.

The Apollo Two-Piece Aluminium Batten System comprises of a base and cover plate connection to create a concealed fixing that is incredibly strong, rigid, and suitable for external applications. A base plate is first connected to your substrate and then the appropriate cover plate clicks over the base plate and creates your secure, concealed connection.

## Tools required for installation



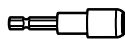
DROP SAW



TAPE MEASURE



SPIRIT LEVEL



DRIVER BIT



DRILL / DRIVER

## System Components Required

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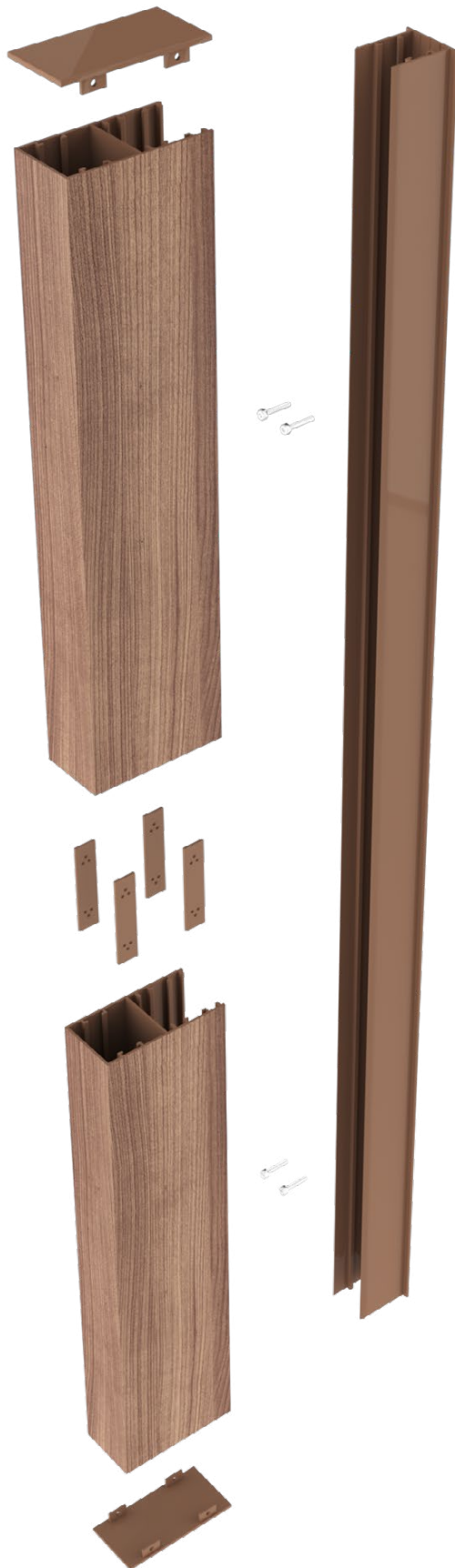


### 50mm x 50mm Batten

- Base Plate
- Cover Plate
- Fixing Screws (*supplied by others - min 10g screw required*)
- End Caps
- Joiner Strips (*if required*)

## System Components Required

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### 100mm x 50mm Batten

- Base Plate
- Cover Plate
- Fixing Screws (*supplied by others - min 10g screw required*)
- End Caps
- Joiner Strips (*if required*)

# Instructions

## Step #1 | Measure the height of your span

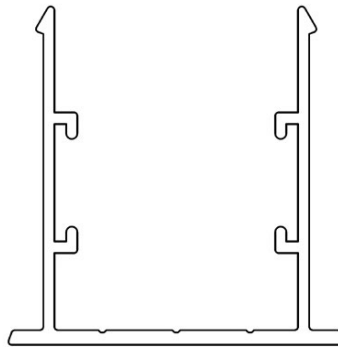
Aluminium is a material that expands and contracts as it is impacted by external weather conditions. When designing and installing Aluminium extrusions that are exposed to external weather, it is highly recommend that you allow for expansion and contraction. Aluminium can expand up to 2mm per 1 meter of extrusion. EG. If you are joining 2x 5400mm Apollo Two-Piece Aluminium Battens, then the minimum recommended expansion joint between the 5400mm lengths is 11mm.



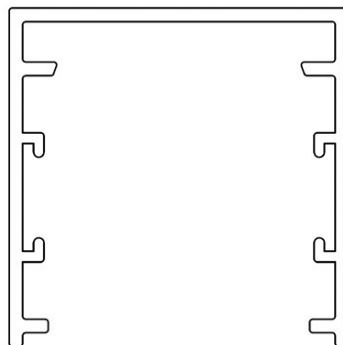
**TIP!** Don't forget to allow for the thickness of your end caps - end caps are 2.5mm thick.

## Step #2 | Trim the base plate to suit your span

For best performance, the base plate should run the full length of your span.



## Step #3 | Trim the cover plate to suit your measured span



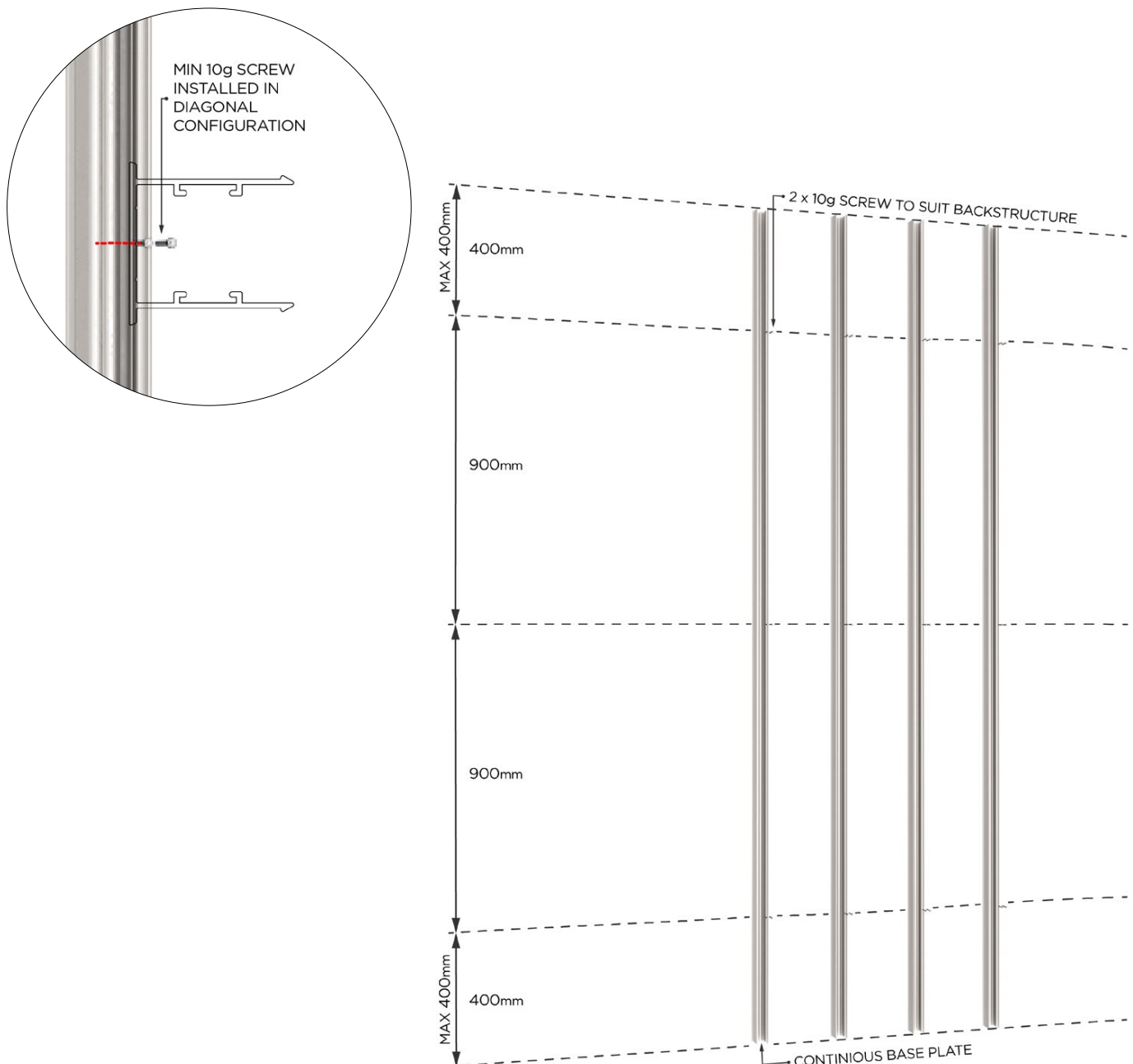
## Step #4 | Fix the base plate to your substrate

Secure your cut Base Plate to your substrate with appropriate screws at the recommended centres below. Ensure that the batten cantilevers no more than 400mm off the last fixing. Please be advised that fixings are not included as part of the Apollo Two-Piece Aluminium Batten System.

A screw that is suitable for the materiality of your substrate, with a minimum gauge of 10 is recommended. Two screws should be used in a diagonal arrangement at each fixing point.

**It is essential that the substrate you are fixing to is plumb and level.**

Maximum fixing centres of 900mm is recommended (2x screws at 900mm intervals). In applications where a greater span or cantilever is required (e.g., Over a window); Apollo Aluminium Batten extrusions are capable of 3000mm spans and a 1000mm cantilever, however in these instances, larger screws may be required. This is subject to project engineer approval (by others).



## Step #5 | **Clip the cover plate onto the fixed into position base plate**

The connection is designed to be extremely tight once engaged, so best practice is to align the cover and back plates as closely as possible before engaging the clip connection.



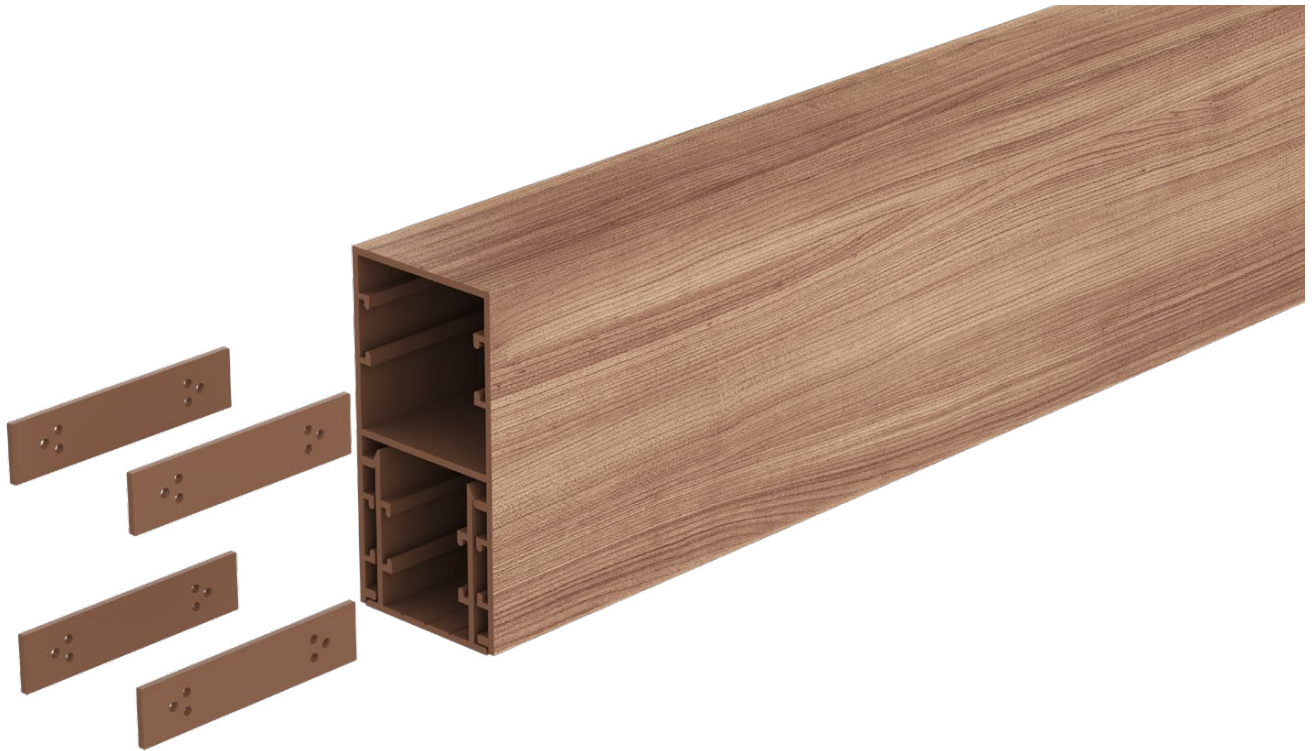
**TIP!** A white rubber mallet must be used to avoid damaging the battens.

## Step #6 | **Clip in end caps**

Clip end caps top and bottom of the combined base and cover plates.




## Step #7 | Install joiners



## Step #8 | Repeat the process

Continue the same process for the remainder of your Apollo Two-Piece Aluminium battens, ensuring the centres of the installed battens match the centres detailed in the specification.

 **TIP!** In some instances, it may be worth measuring the width of your external application prior to beginning the installation process and confirming the best yield for batten centres to your specification that will work with the width of your external application.

 **NEED HELP?!** Have questions? Need support with the installation? Please contact your local Apollo consultant or reach out to the team on [hello@mbsarchitectural.com.au](mailto:hello@mbsarchitectural.com.au) or call us direct on 03 9580 7800.



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