Battens

DESIGN INSTALLATION GUIDES TESTS & REPORTS

2 Part Battens

Batten Tracks

Self Mating



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Intro

Battens

Knotwood's batten systems can create bold architectural statements, stylish sun shields or sophisticated screens.

Our aluminium lengths are the perfect solution for large expanses. They are lightweight, strong and durable.

All Knotwood systems are weather resistant and require no recoating or resealing. They are ideal for hard to reach areas.

Knotwood's batten systems are non-combustible providing a safe and practical solution for all residential and commercial exteriors.

Our systems are designed to conceal joins, screws and fixings resulting in a clean and seamless finish.



NON WARPING

Knotwood's aluminium lengths are not only lighter, but stronger and straighter than real wood and will not warp over time.



COLOUR STABILITY

are All Knotwood colours have been tested to withstand the most extreme environments, ensuring that your colour choice looks better for longer.



WEATHER RESISTANT

Knotwood won't swell, grow mould or rust when exposed to wet conditions. Unlike wood, it is protected from corrosion in harsh environments.



LOW MAINTENANCE

Aluminium has a density one third that of steel and a weight 50% less than wood. This means low transport costs and easy installation



ECO FRIENDLY

Knotwood is 100% recyclable, uses VOC free coatings and lead free finishes resulting in a smaller environmental footprint for us and for you



SCRATCH RESISTANT

A topcoat of specially developed, exterior grade paint is baked on to provide resistance to chipping, flaking, blistering and scratching.



Non Combustible

Knotwood is non-combustible and achieves a group 1 fire rating. It complies to Australian standards AS1530.1, AS1530.3.

Colours & Colour Fastness

Knotwood offers a wide range of colours inspired by nature's natural beauty. Knotwood has been manufactured for use in harsh climates, with minimal colour change over time. The degree of change will be dependent upon the installed situation, and may manifest itself as a lightening of the surface appearance, which will have no impact on the performance of the board.

Coating Characteristics

Knotwood uses a specialised sublimation process together with high quality inks and powders This process creates a durable hard wearing coating. This coating is resistant to most household solvents and cleaning products resulting in a superior low maintenance product.

Read First.

The installation techniques in this manual describe and illustrate the steps involved in installing Knotwood Battens. Their purpose is to provide information and how-to tips that will simplify the installation process. Knotwood will not accept any liability or responsibility under its written warranty for product failure caused by application that does not meet the requirements for proper installation. These requirements are outlined throughout this document.

Before you begin any project, you need to be aware of building code requirements in the geographic areas where you are working, and how the code relates to the instructions given in this manual. You must always observe the requirements of local building codes, as they represent the legal requirements for an installation. The Building Code of Australia (BCA) is contained within the National Construction Code (NCC) and provides the minimum necessary requirements for safety, health, amenity and sustainability in the design and construction of new buildings (and new building work in existing buildings) throughout Australia.

No instruction manual can anticipate all the questions or conditions that might arise during installation. Recognizing this, we've focused on the tools and techniques used to complete typical installations.

The manufacturer has provided these suggested instructions as installation guidelines. The manufacturer, however, neither installs the product nor has any control over the installation. It is the responsibility of the contractor and/or the installer to ensure panels are installed in accordance with these instructions and any applicable building codes. The manufacturer assumes no liability for either improper installation or personal injury resulting from improper use or installation.

These instructions are prepared for persons experienced in the field of Battens installation and assume a foundation of working knowledge regarding the required tools and application process. Knotwood is a Battens system which complies with the requirements of AS1562.1, when installed according to these instructions.



Care & Maintenance

Caring for your Battens.

The beauty of Knotwood is maintained with little effort. To remove any dirt or grime, a garden hose or pressure washer is generally sufficient.

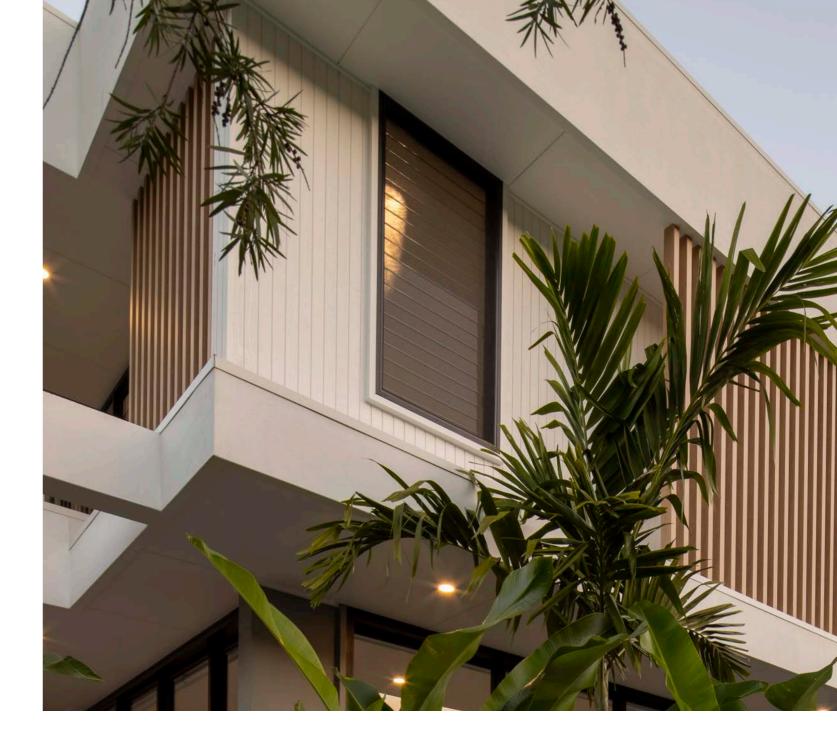
If absolutely necessary follow these simple instructions:

- 1. Use a sponge or car washing brush that has soft bristles. Avoid using stiff bristle brushes or abrasive cleaners that may scratch the finish.
- 2. To remove sediment and grime found in industrial areas, wipe down the Battens with a mild detergent (PH-6-7 e.g. Car detergent).
- 3. Follow the precautionary label instructions on the cleaning agent container. Protect shrubs and other foliage from direct contact with cleaning agents.
- 4. Rinse any cleaning solution with water before it dries on the material to avoid streaking.



Replacing damaged boards is a relatively simple process. Starting at the bottom of the wall remove each board moving upward until you reach the affected area.

Please note: There may be colour matching issues when new boards are used to replace damaged boards that have been installed for a long period of time. Each production batch can have colour variations due to the sublimation processes.



Warranties.

The coating technologies used on Knotwood products meet globally recognized AAMA2604 standards with regards to gloss retention, colour uniformity, weathering durability, humidity resistance, impact resistance and chemical resistance. The Knotwood range of sublimated timber grain products are supported by a 15 year performance warranty on the finish - the only one of its kind in the Australian market.

Failure to comply with Knotwood's installation instructions and/or applicable building codes and maintenance schedule may affect product performance and void the product warranty.

*Warranty applies only to aluminium when coated by an Interpon D Approved Applicator.

Terms and conditions apply. Contact your Knotwood representative for further details.

Installation

Prior To Installation

Knotwood battens are simple to install, however, we recommend using an independent Knotwood installer. Knotwood encourages the installer to read and adhere to all relevant technical information and installation techniques set out in this manual.

Applications.

Knotwood Battens may be installed on an existing structure or substrate of either timber, concrete or steel.

Knotwood may be installed in coastal zones, fire risk areas and high wind zones. The installer/builder has the responsibility to meet the needs of all Local Building codes for the locality of the installation.

Technical Assistance.

For further information on any of the install process please visit www.knotwood.com.au

or alternatively contact:

KNOTWOOD PTYLTD

2/63 Burnside Rd, Stapylton QLD, Australia 4207 1.300.566.896 | sales@knotwood.com.au

Before Knotwood battens can be installed, check the existing structure and substrate is constructed and detailed to comply with the relevant regulations.

The design, supply and correct installation of penetrations, eg.. windows, doors etc., are outside the scope of Knotwood's batten system. The designer and builder must ensure that the building, including all drainage holes and integral flashings of all penetrations will prevent rain and water entering behind the batten system and will drain to the outside of the building.

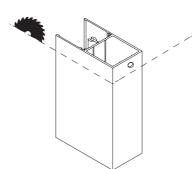
Check first.

Customer/Installers responsibilities.

- Before installing any material, inspect it for breakage, foreign objects, surface defects, correct product, correct colour, and colour consistency.
- Do NOT install any questionable product!
- If you find a defect, contact Knotwood's Support team: 1.300.566.896 | sales@knotwood.com.au
- If you elect to install questionable product and a manufacturing defect is not found to be the source of the problem, any claim may not be honored.
- Before you install any Knotwood Battens, it is important that you have read and understood the information in this guide. Please ensure you have the right tools, fastners and accessories to complete the project.
- OHS (Occupational Health and Safety) requires workers to always use the appropriate PPE (Personal Protection Equipment).

Cut First

Please check both ends of the batten and trim if necessary before installation. There may be up to 25mm each end that won't have the timber grain image, due to the production process.



Tips for cutting.

A proper amount of care, as with any prefinished product, will result in a premium quality installation. We recommend taping the face of the trim saw surface as well as table saw surface to prevent marring and scratching of battens. Cut face up whenever possible, and use touch-up paints to cover cut ends of exposed aluminum.

Preparation.

Prior to commencing the installation of Knotwood, ensure that all building wraps, flashing tapes and cavity batten systems are installed to their manufacturer's specifications and requirements.

Air Barriers, Seals & Water Proofing.

The Installer/Builder is required to check that all exterior walls, regardless of their location, have the necessary flashings, air barriers, seals and waterproofing sheets to meet the requirements of the BCA.

Level & Straight Substrate.

The specification, supply and construction of steel, timber or concrete wall or substrate does not form part of the Knotwood's Battens System. Variations in the strength, stiffness, straightness and squareness of the wall and substrate must be checked and rectified as necessary, before any Battens installation can begin.

It is very important to ensure that, when you start installing the top board, that it is perfectly level. The top hat may require packing out to ensure the Battens boards sit flush when installed.

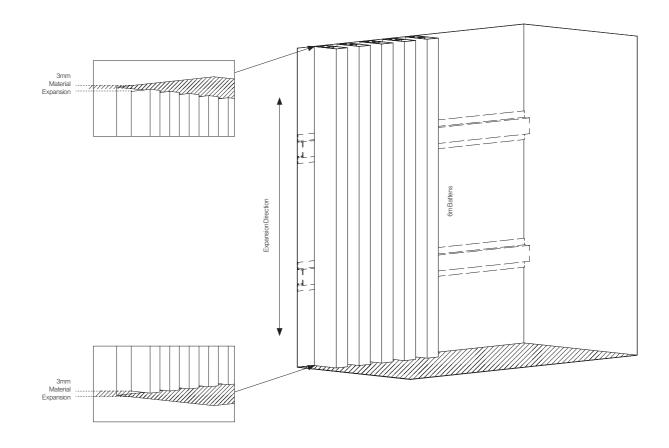
Installing Knotwood Battens on an uneven wall or substrate will make the boards appear to be warped and cause finishing strips and joiners to be misaligned.

Install Considerations

Expansion and Contracting.

Like all aluminium products, Knotwood will expand and contract at different rates depending on the environment it is installed in. The coefficient of thermal expansion in aluminium will create movement in lengths when exposed to temperature changes. For example, a change of 30°C will cause a 6m batten to expand or contract 3mm. Therefore, it is imperative that Knotwood is installed to allow for both the expansion and the contraction of the material.

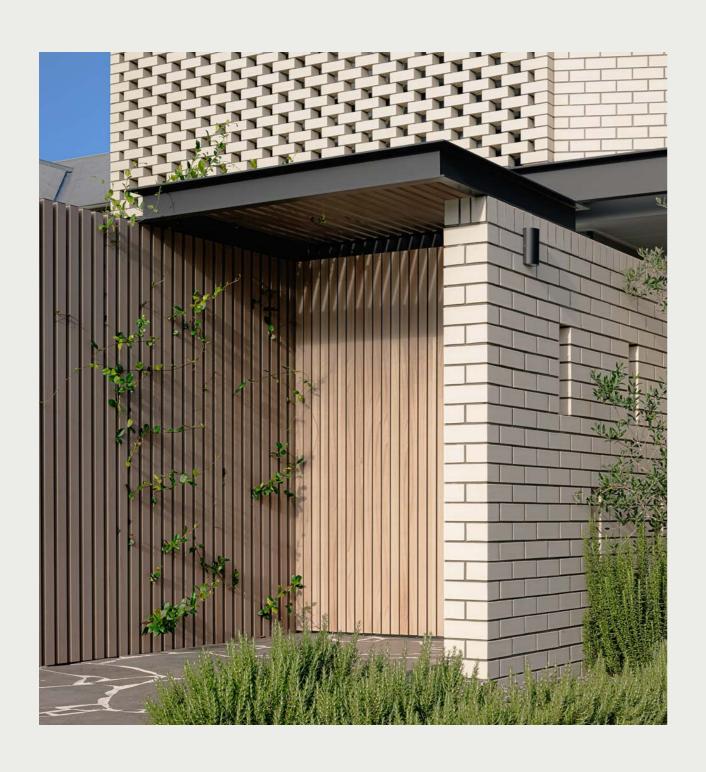
If Knotwood battens are confined at each end, the expansion will cause waving or buckling.

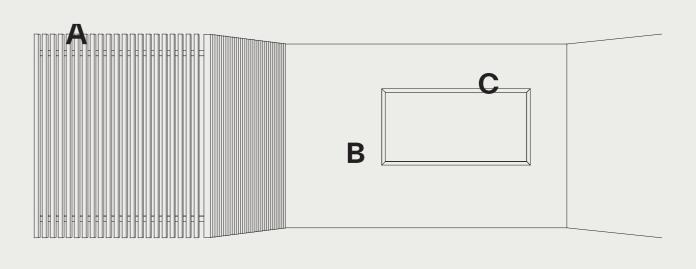


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2 Part Battens.

Components Installation Guides





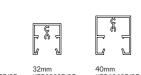
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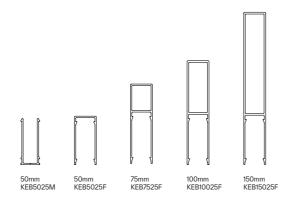
Components.

Slimline Suite

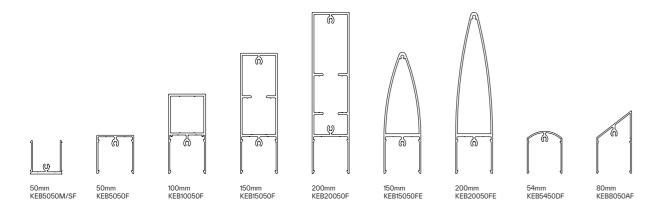
25 mm Battens





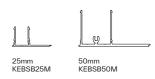


50mm Batten



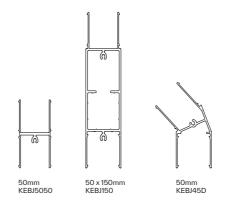
Batten Spacers



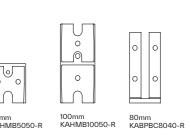




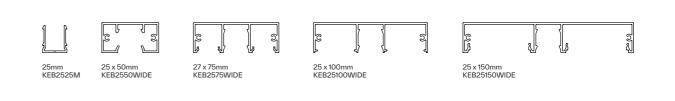
50 mm Joiners



Mounting Plates



Wide Suite



Infills

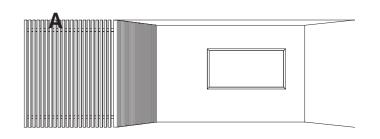


ENDCAPS

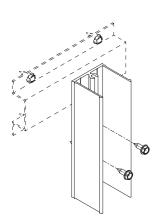
Matching aluminium endcaps are offered to suit all batten shapes and sizes.

The endcaps are a press fit design. Supply of endcaps with counter sunk screw holes is optional.

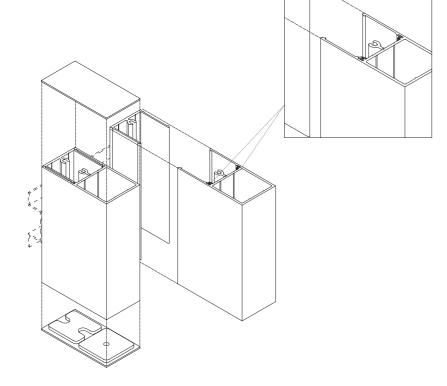
A | Basic Batten Installation.



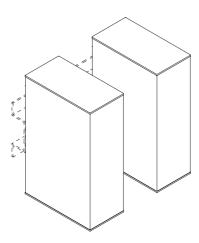
1.

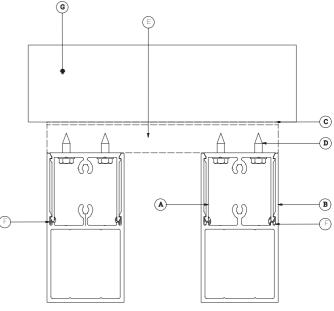


2.



3.





Fix male batten bracket to wall or subframe.

Clip batten in place.

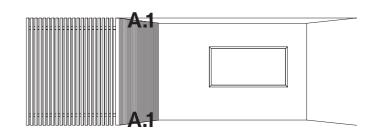
Inset. Before attaching the batten, flexible adhesive should be placed in the corners (>50mm from the ends) of the batten to minimise movement caused by expansion and contraction.

Fit end caps.

- A. KEB5050M-NEW
- B. KEB10050F
- C. Vapour Barrier / Building Envelope (by other)
- D. Screw (by other)
- E. Top Hat Framing (by other)
- F. Flexible Adhesive (by other)
- G. Building Substructure (by other)

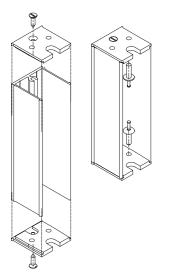
BATTENS INSTALLATION GUIDE

A.1 | Battens | Floor & Ceiling Mounting Plates.

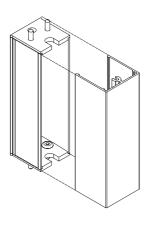


50MM

1.

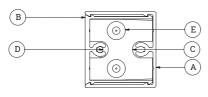


2.

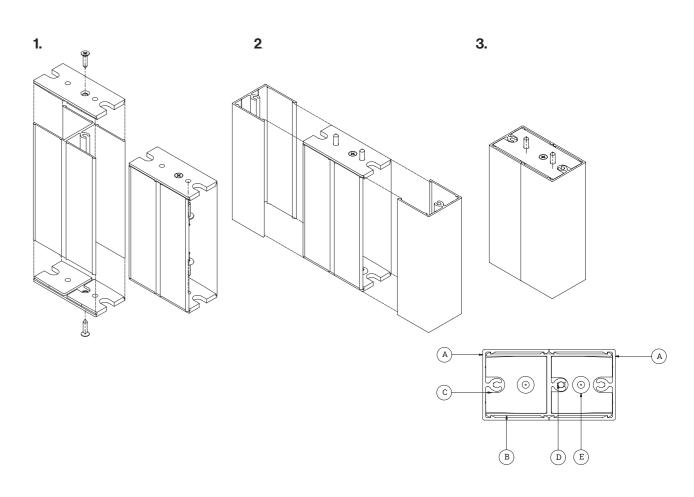


3.





100MM



Fasten the mounting plate to the batten bracket. Position and fix top and bottom.

Clip the batten onto the bracket.

A. KEB5050F B. KEB5050M-NEW

C. KAHMB5050-R

D. Screw (from other)

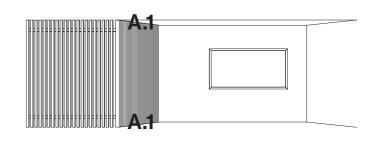
E. Dowel (from other)

Fasten the mounting plate to the center joiner. Position and fix top and bottom.

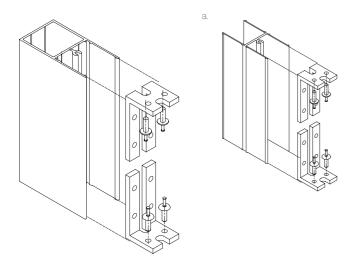
Clip battens onto the center joiner.

A. KEB5050FB. KEBJ5050C. KAHMB10050-RD. Screw (from other)E. Dowel (from other)

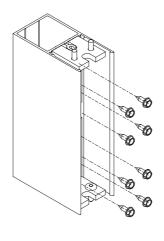
A.1 | Battens | Floor & Ceiling Mounting Plates.



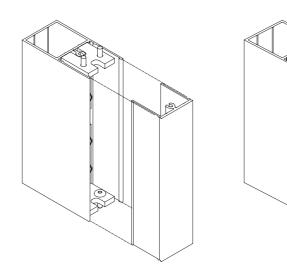
1.



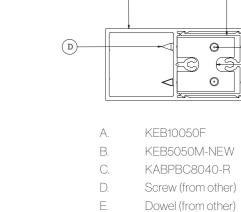
2



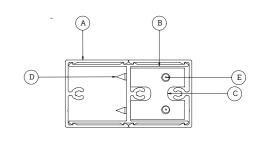
3.



.



Batten Joiner



Position mounting plates and fix top and bottom.

a. Installation process is the same for the Batten Joiners.

Fasten the batten to the mounting plate.

Clip the batten onto the bracket.

Completed installation showing concealed mounting plates and screws.

KEB5050F

3. KEBJ5050

C. KABPBC8040-R

D. Screw (from other)

E. Dowel (from other)

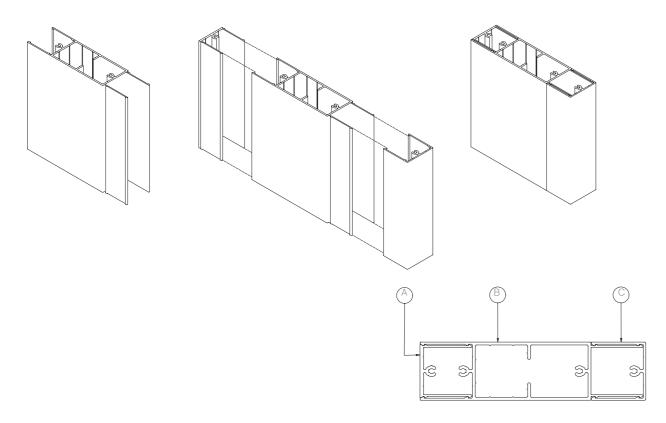
SATTENS INSTALLATION GUIDE

A.2 | Battens | Joiners

A.2 | Battens | 45° Angle Joiner

2.

2.



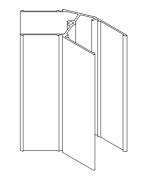
Cut bracket, 150mm joiner, batten and bracket to required length.

Fix batten bracket to wall or subframe.

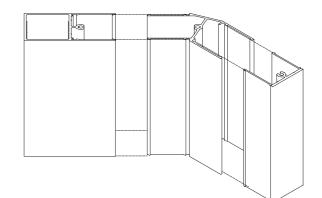
Clip 150mm joiner onto bracket, then clip batten onto 150mm joiner KEB5050M-NEW

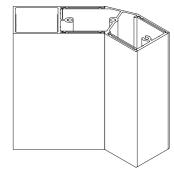
KEBJ150

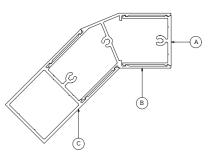
KEB5050F



1.







Cut bracket, 45° joiner and batten to required length.

Fix batten bracket to wall or subframe.

Clip 45° joiner onto bracket, then clip batten onto 45° joiner

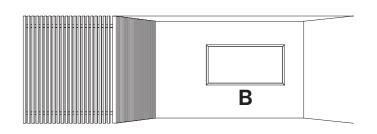
KEB5050M-NEW

KEBJ45D

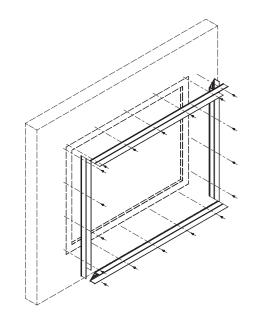
KEB10050F

50MM & 150mm Use same installation principles.

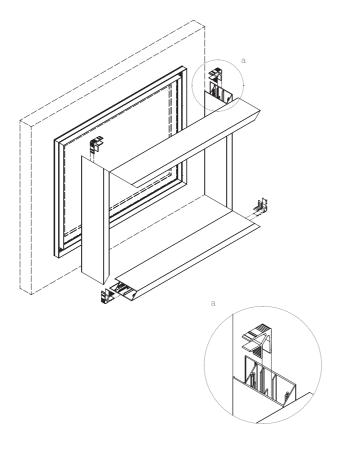
B | Batten | Window Box.



1.



2.

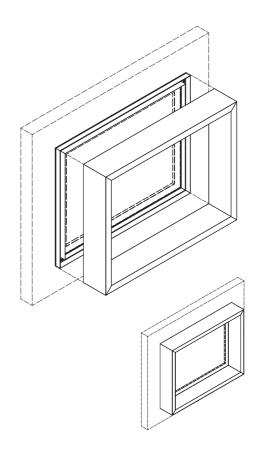


Mitre the ends of the batten brackets and fix in place around the window.

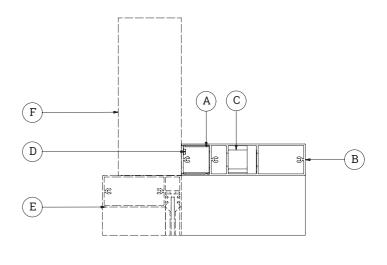
Mitre the ends of the battens. Insert epoxy into corner stake channel inside the batten (approximately 20mm from the end).

Insert the corner stakes and fit the battens together.

3.



Clip the batten surround onto the batten brackets.



A. KEB5050M-NEW

B. KEB20050F

C. KACSB

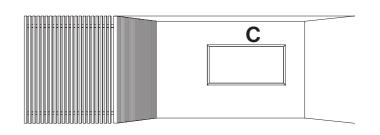
D. Screw (by other)

E. Window Frame (by other)

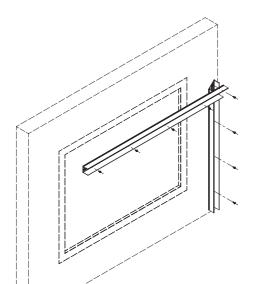
F. Building Substructure (by other)

BATTENS INSTALLATION GUIDE

C | Batten | Window Sun Shade.

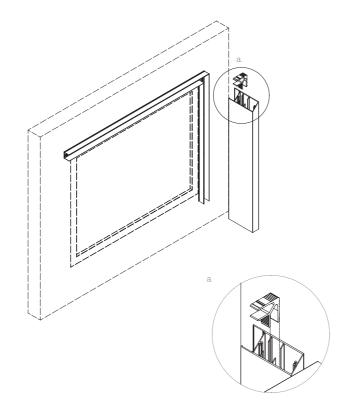


1.



Mitre the joining ends of the batten brackets and fix in place around the window.

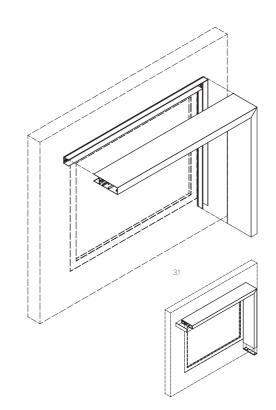
2.



Mitre the joining ends of the battens. Insert epoxy into corner stake channel inside the batten (approximately 20mm from the end).

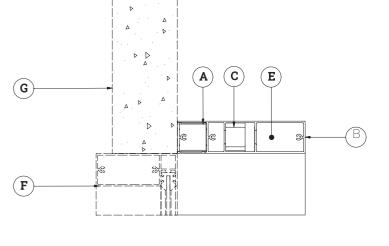
Insert the corner stakes and fit the battens together.

3.



Clip the batten surround onto the batten brackets.

3.1 Clip end caps onto batten.

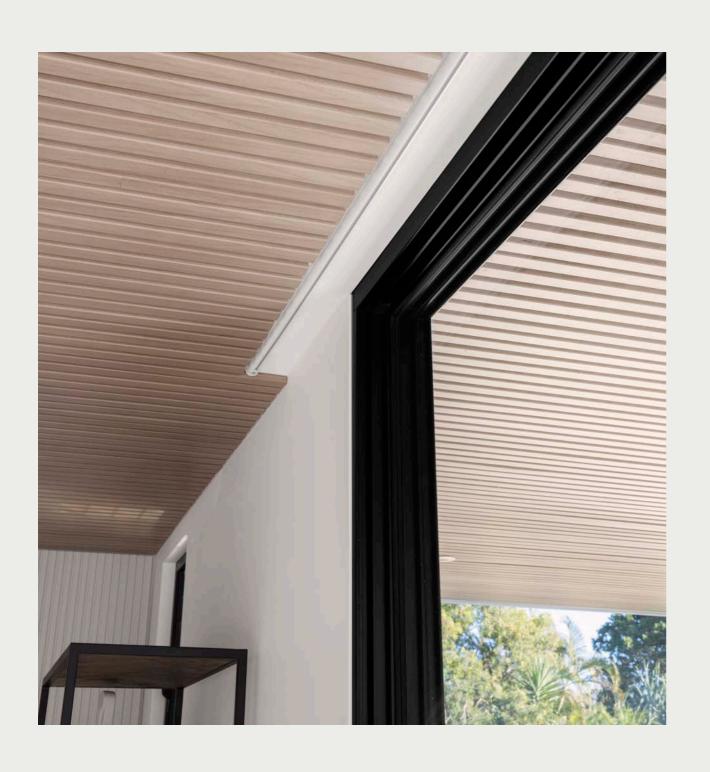


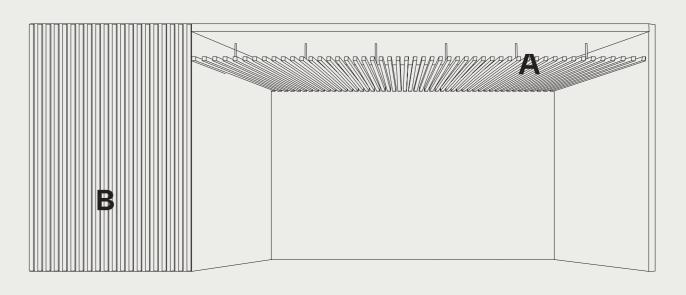
- A. KEB5050M-NEW
- B. KEB20050F
- C. KACSB
- D. Screw (by other)
- E. End Cap
- F. Window Frame (by other)
- G. Building Substructure (by other)

ATTENS INSTALLATION GUIDE

Batten Tracks.

Components Installation Guides



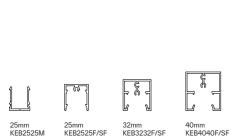


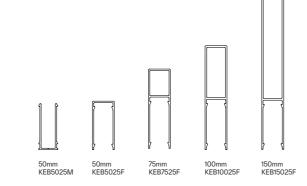
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B.	ACOUSTIC WALLS 1. Wall Detail	44
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Components.

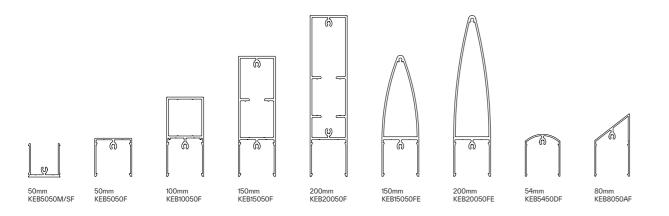
Slimline Suite

25 mm Battens

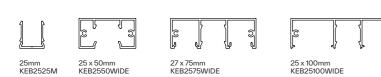


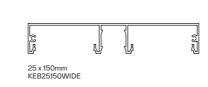


50mm Battens

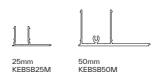


Wide Suite





Batten Spacers



Infills



ENDCAPS

Matching aluminium endcaps are offered to suit all batten shapes and sizes.

The endcaps are a press fit design. Supply of endcaps with counter sunk screw holes is optional.

Mounting Track

Batten Clips



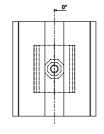


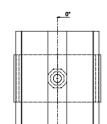


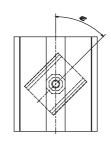
Angle Options of Batten Clips

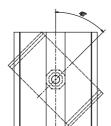
Knotwood's batten clips are designed with an octagonal head which can be inserted into the mounting track on different angles.

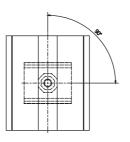


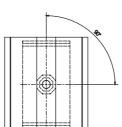


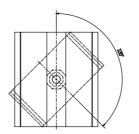












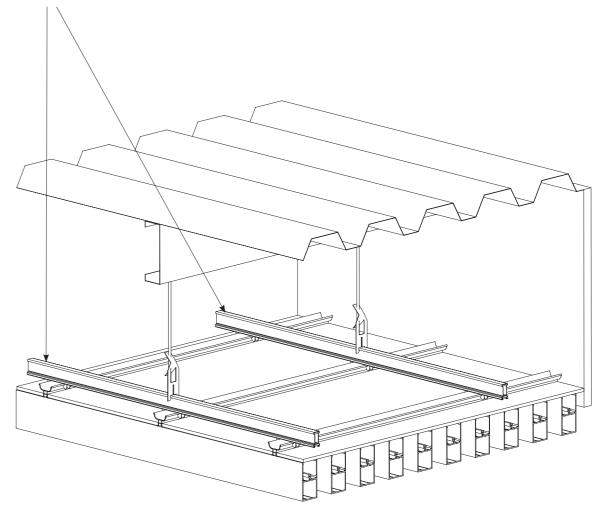
Suspended Ceiling System.

Knotwood's ceiling components are designed to be compatible with many suspended ceiling products already on the market. In our installation guides we have chosen to show the Rondo ceiling system.

It is the responsibility of the installer to follow Australian building codes and installation guidelines of the third party product in use.

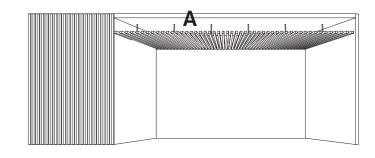
Knotwood will not accept any liability or responsibility for any third party product.

Third party ceiling system.

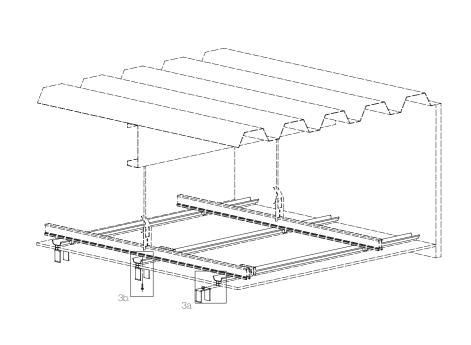


A | Suspended Ceiling Detail STEPS 1 2 3 4 5

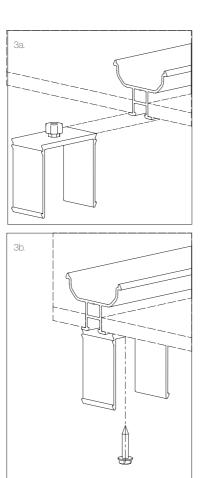




3.



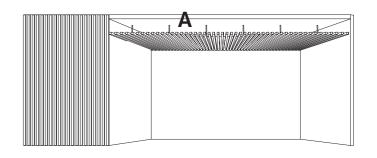




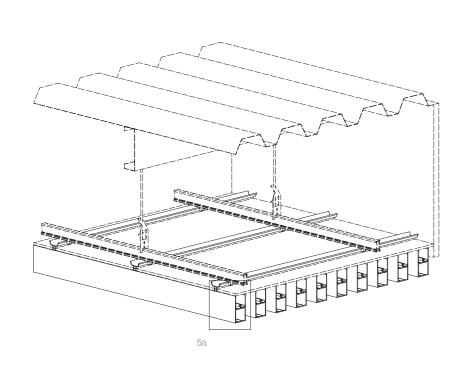
a. Clip batten on the batten clips.

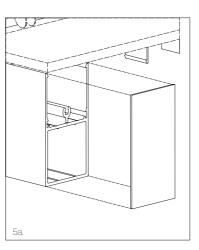
A | Suspended Ceiling Detail STEPS 1 2





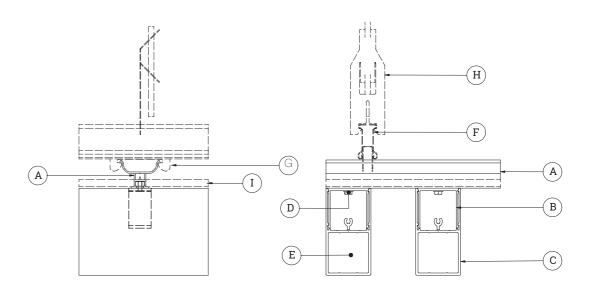
5.





Completed ceiling system with concealed screws and fixings.

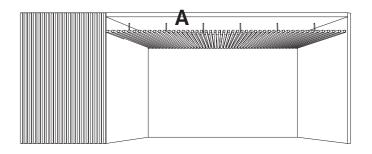
a. Caps can be fitted if required.



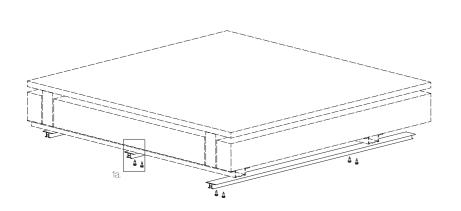
- KEBCSMT
- В. KACB50
- KEB10050F
- D. Screw (by other)
- End Cap
- Top Cross Rail (by other)
- Joiner Clip (by other)
- Suspension Clip (by other)
- Acoustic Backing (by other)

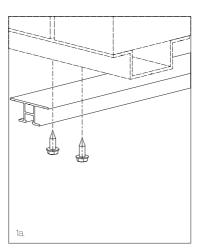
A | Fixed Ceiling Detail



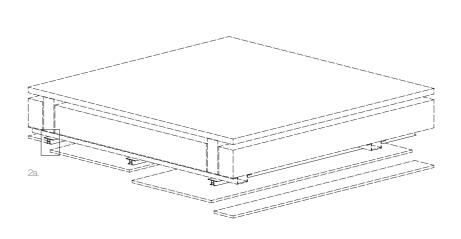


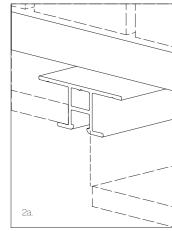
1.





2.



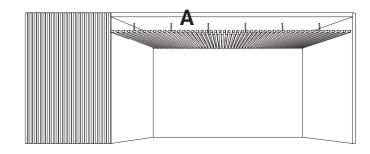


Fix track to level ceiling substrate or top hat.

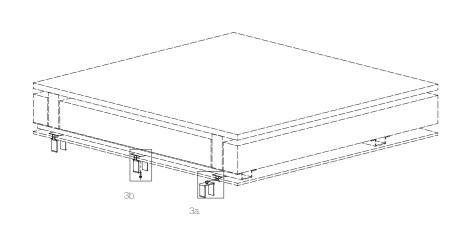
Insert acoustic panels (from others) between the tracks. Ensure the acoustic panels sit flat on the lip of the track.

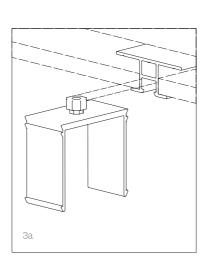
A | Fixed Ceiling Detail

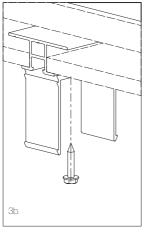




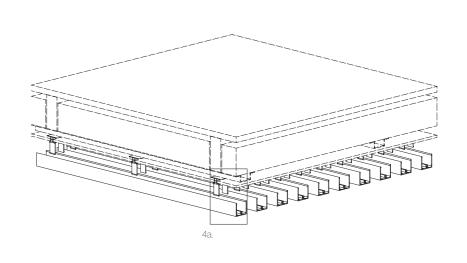
3.

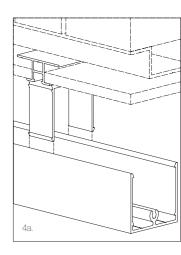












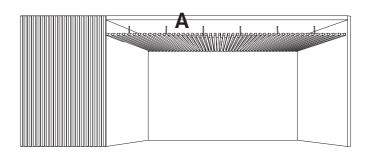
a. Hold batten clip at desired angle and slide into the track channel.

b. Once the batten clip is in the desired position; fix in place.

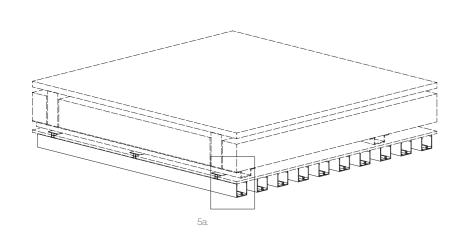
a. Clip batten on the batten clips.

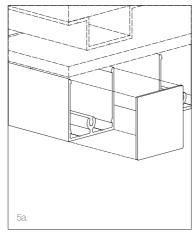
A | Fixed Ceiling Detail

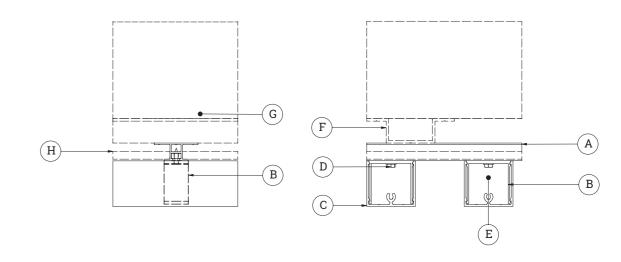




5.





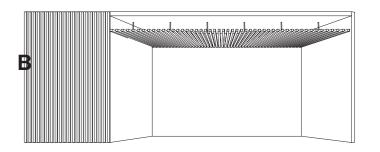


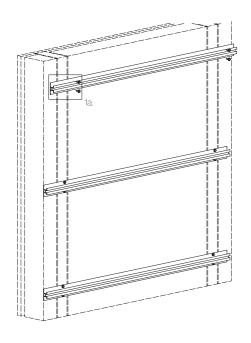
Caps can be attached to ends of battens if needed.

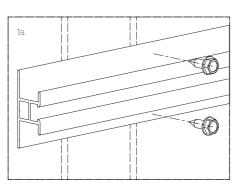
- A. KEBCFMT
- . KACBC50
- C. KEB5050F
- D. Screw (by other)
- E. End Cap
- F. Top Hat Faming (by other)
- G. Ceiling Joist
- H. Acoustic Backing (by other)

B | Acoustic Wall | Batten Detail

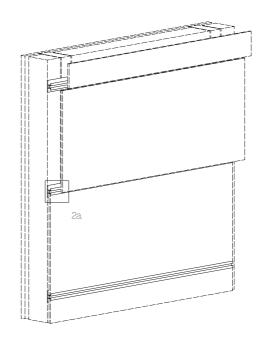


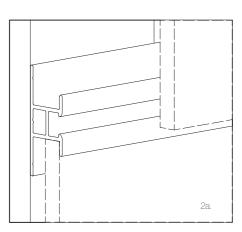






2.



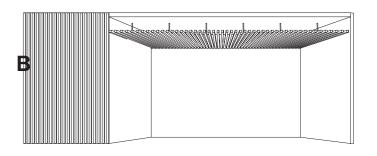


Fix track to wall substrate or top hat.

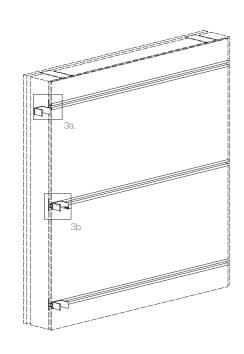
Insert acoustic panels (from others) between the tracks. Ensure the acoustic panels sit flat on the lip of the track.

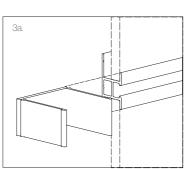
B | Acoustic Wall | Batten Detail STEPS (1)—(2)—

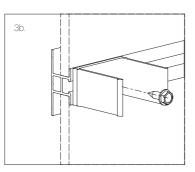


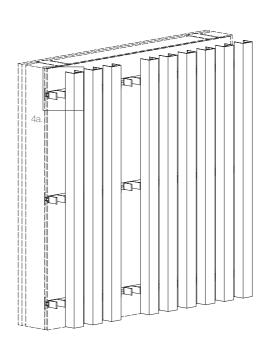


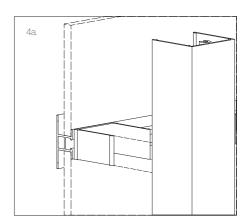
3.











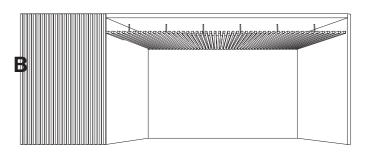
a. Hold batten clip at desired angle and slide into the track channel.

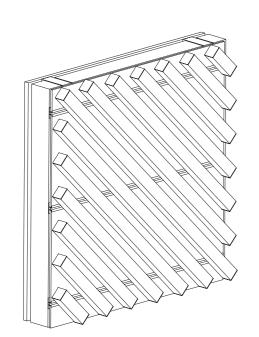
b. Once the batten clip is in the desired position; fix in place.

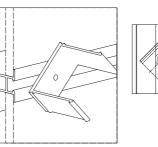
a. Clip batten on the batten clips.

NOTE: Refer to pg 51 for Dissection Drawing

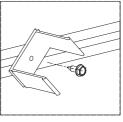
B.1 | Acoustic Wall | Angled Battens

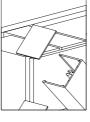






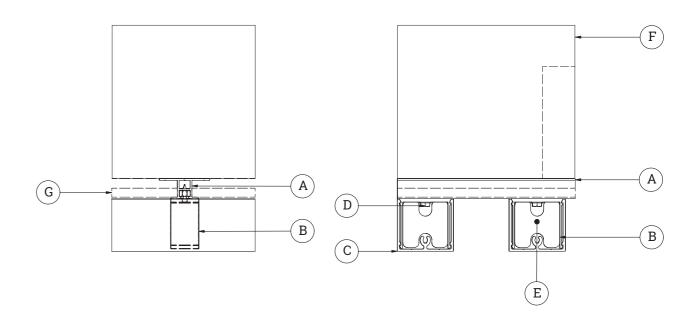






on mitred batten ends.

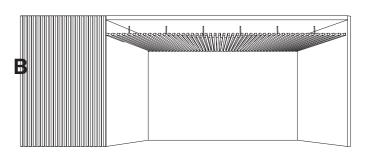
Standard Acoustic Batten Wall



- a. Hold batten clip at desired angle and slide into the track channel.
- b. Fix batten clip in place.
- c. Clip batten on the batten clips.
- d. Clip end caps onto batten*.
- *Note: 45° end caps can be used on mitred batten ends.

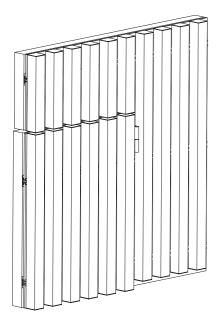
- KEBCFMT
- В. KACBC50
- KEB050F
- D. Screw (by other)
- End Cap
- Wall Substrate
- Acoustic Backing (by other)

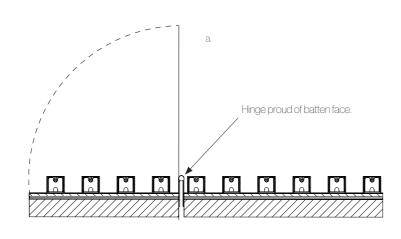
B.2 | Acoustic Wall | Door Detail



HINGED DOOR

1.

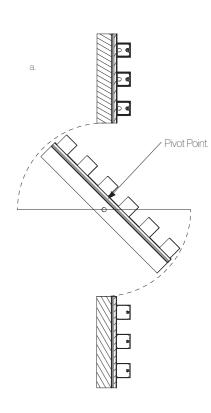




PIVOT DOOR

1.



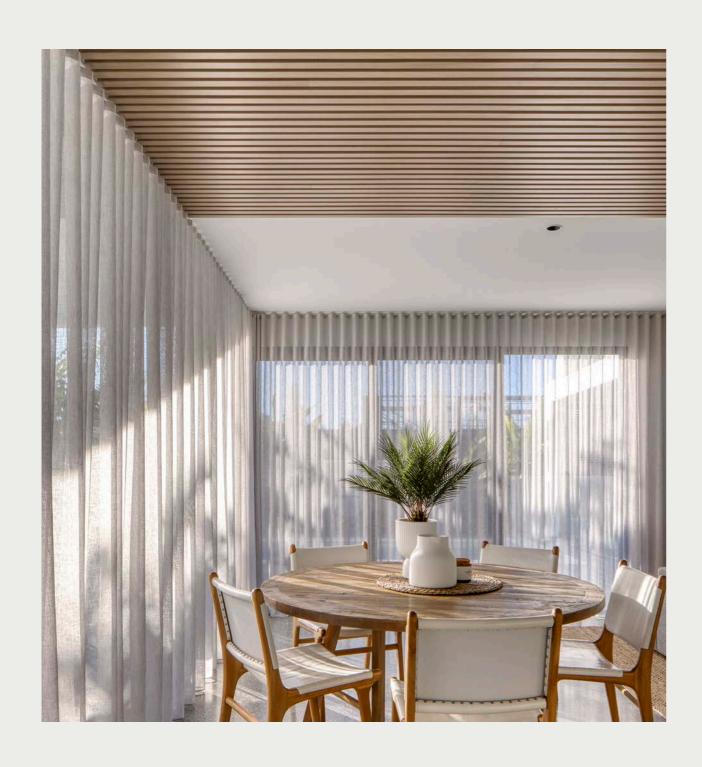


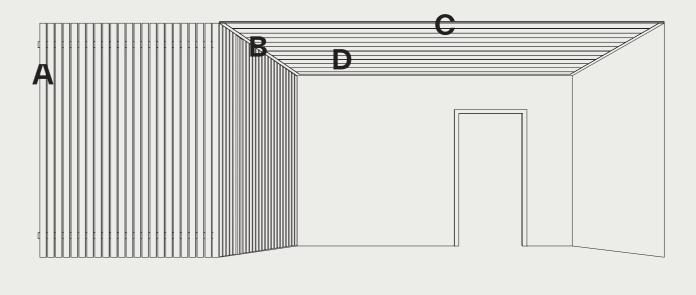
- 1. Install acoustic battens as per standard installation guidelines.
- a. Ensure hinge is placed proud of the batten face to allow maximum opening.

- 1. Install acoustic battens as per standard installation guidelines.
- a. Ensure enough gap is left around the door for battens to move freely without touching the wall edge.

Self Mating.

Components Installation Guides



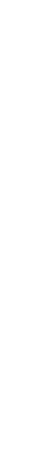


Α	BASIC SELF-MATING INSTALLATION		
В	CEILING TO WALL EDGE	28	
	1. Starter Angle	58	
	2. Starter Trim 3. End Caps	62 66	
С	SELF-MATING CEILING INSTALLATION	68	
D	SELF-MATING JOINER DETAIL	70	

54

Rectangles Joiner Trims SLOTTED **End Trims** SLOTTED 30mm 65mm KECFTTSMSLT KECFTTLMSLT

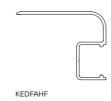
Some profiles are available in both a normal or slotted version. Slotted allows for better drainage.



Infills



Finishing Trim

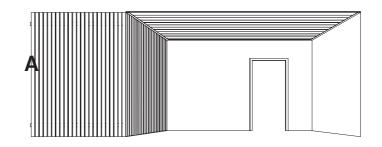


ENDCAPS

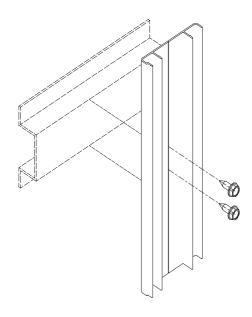
Matching aluminium endcaps are offered to suit all batten shapes and sizes.

The endcaps are a press fit design. Supply of endcaps with counter sunk screw holes is optional.

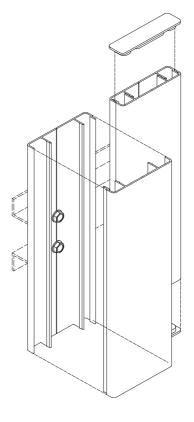
A | Basic Self-Mating Installation



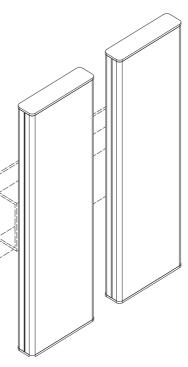
1.

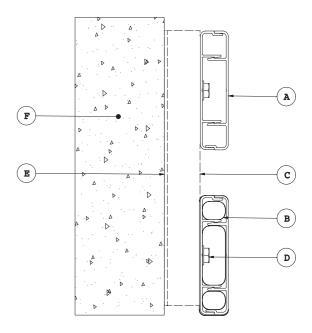


2.



3.





- a. Hold batten clip at desired angle and slide into the track channel.
- b. Once the batten clip is in the desired position; fix in place.

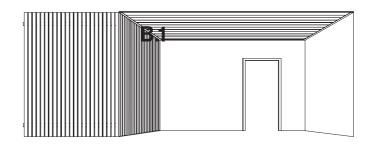
- a. Hold batten clip at desired angle and slide into the track channel.
- b. Once the batten clip is in the desired position; fix in place.

- a. Hold batten clip at desired angle and slide into the track channel.
- b. Once the batten clip is in the desired position; fix in place.

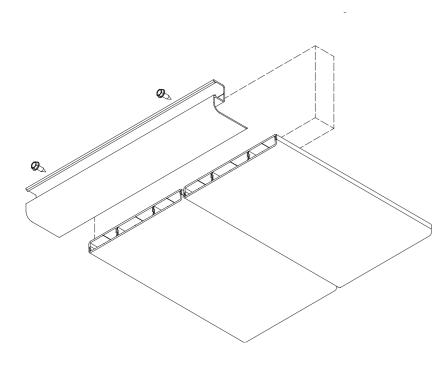
- A. KESM6516
- B. KAEC6516-R
- C. D. Top Hat Framing (by other)
- D. Screw (by other)
- E. Vapour Barrier / Building Envelope (by other)
- F. Building Substructure (by other)

SATTENS INSTALLATION GUIDE

B.1 | Ceiling to Wall | Starter Angle

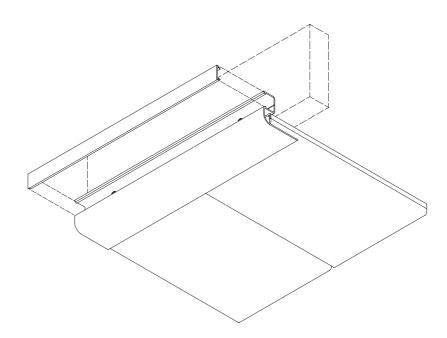


1.



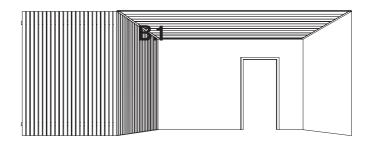
a. Hold batten clip at desired angle and slide into the track channel.b. Once the batten clip is in the desired position; fix in place.

2.

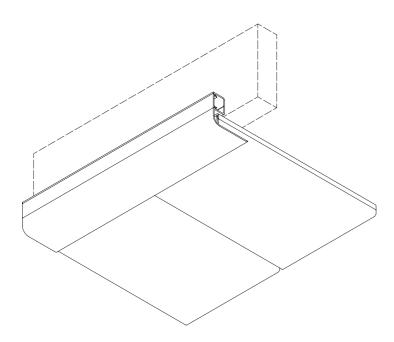


- a. Hold batten clip at desired angle and slide into the track channel.
- b. Once the batten clip is in the desired position; fix in place.

B.1 | Ceiling to Wall | Starter Angle



3

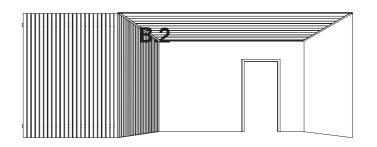


a. Hold batten clip at desired angle and slide into the track channel.b. Once the batten clip is in the desired position; fix in place.

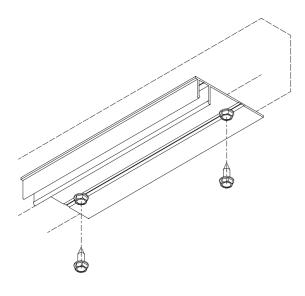
C A A

- A. KESM15016
- B. KEDFAHF
- C. KESINFS
- D. Screw (by other)
- E. Building Substructure (by other)

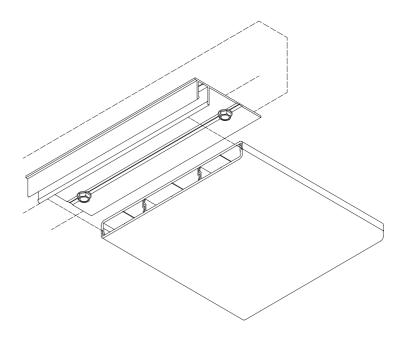
B.2 | Ceiling to Wall | Starter Trim



1.

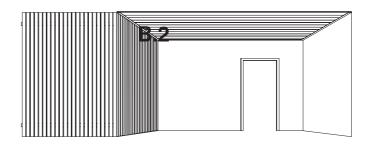


2.

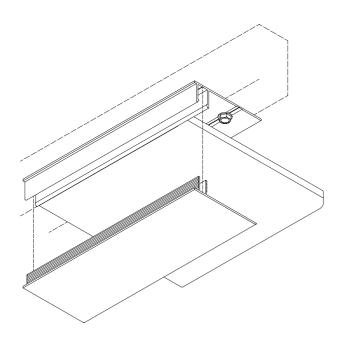


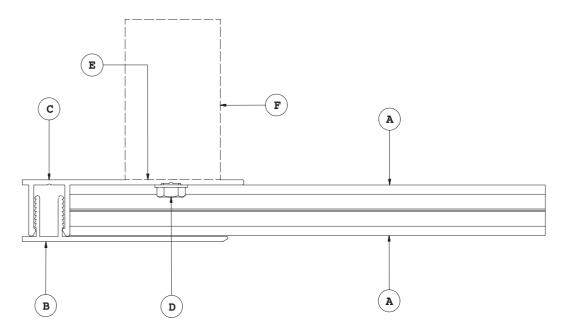
a. Hold batten clip at desired angle and slide into the track channel.b. Once the batten clip is in the desired position; fix in place.

B.2 | Ceiling to Wall | Starter Trim



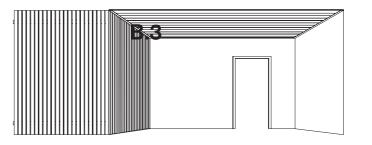
3



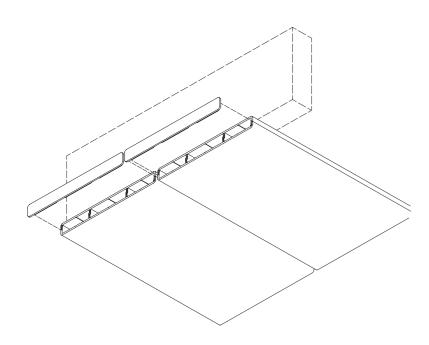


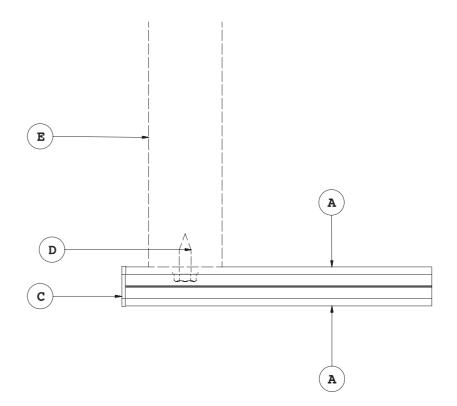
- A. KESM15016
- B. KECFTTLM
- C. KECFBF
- D. Screw (by other)
- E. Vapour Barrier / Building Envelope (by other)
- F. Building Substructure (by other)

B.3 | Ceiling to Wall | End Caps



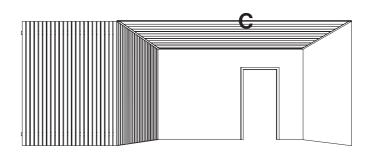
1.



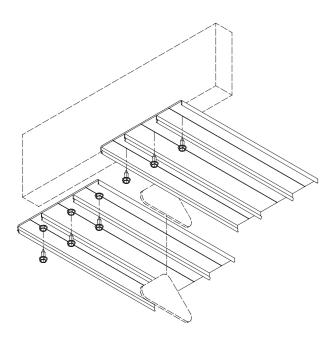


- A. KESM15016
- C. KEAC15016
- D. Screw (by other)
- E. Building Substructure (by other)

C | Self-Mating Ceiling Installation

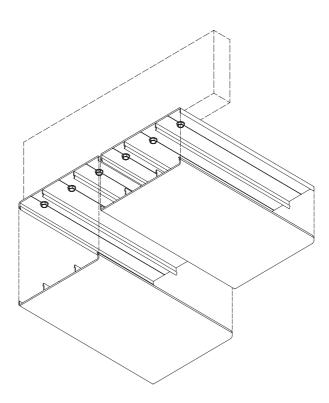


1.



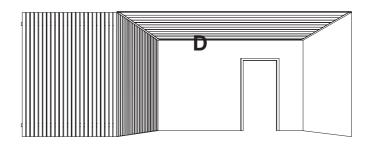
- a. Hold batten clip at desired angle and slide into the track channel.
- b. Once the batten clip is in the desired position; fix in place.

2.

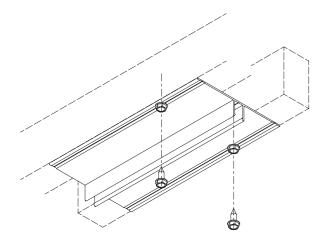


- a. Hold batten clip at desired angle and slide into the track channel.
- b. Once the batten clip is in the desired position; fix in place.

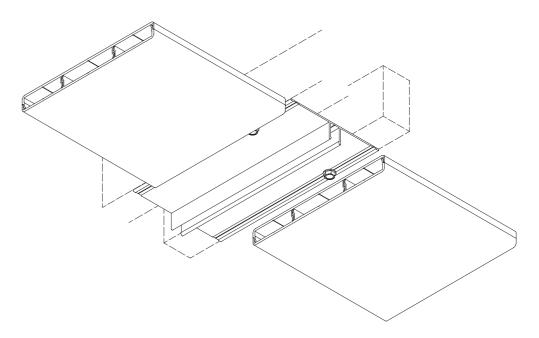
D | Self-Mating Joiner Detail



1.

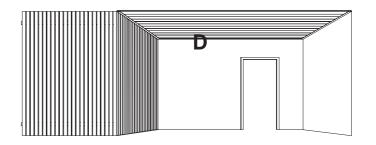


a. Hold batten clip at desired angle and slide into the track channel. b. Once the batten clip is in the desired position; fix in place. 2.

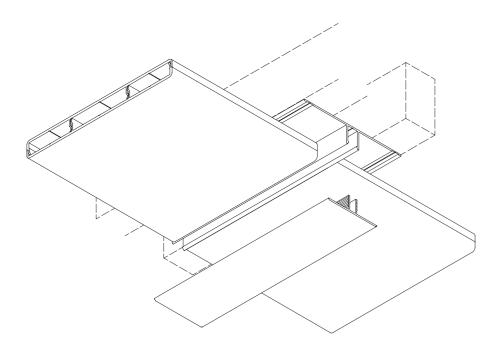


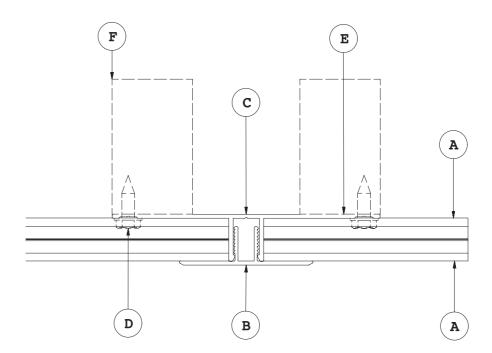
- a. Hold batten clip at desired angle and slide into the track channel.
- b. Once the batten clip is in the desired position; fix in place.

D | Self-Mating Joiner Detail



3.





- A. KESM15016
- B. KECTJM
- C. KECJBF
- D. Screw (by other)
- E. Vapour Barrier / Building Envelope
- F. Building Substructure (by other)

Tests, Reports & Documentation

Batten Composition	Australian Aluminium with varying profiles, wall thicknesses and lengths. Coating: 80-120µ (microns) powder coat with or without sublimated finish.			
Process Accreditation	ISO9001			
Mechanical Properties	Standard	Test Result: Test machine Sinte	ch 60/D	
	ASTM E9	Compression Test		
		Compressive strength Yield Str Modulus of Elasticity	ress	285 MPa 160 MPa 68 GPa
	AS1391-2007	Tensile Test		
		Tensile strength Proof Stress Post Fracture Elongation		186 MPa 238 MPa 18%
	MTS Shear Test Procedure	Shear Test		
	Trockdard	Shear Strength Yield Stress Peak Load		152 MPa 160 MPa 18 kN
		1		
Fire Testing	Standard	Test Result	Testing Origin	n
	AS/NZ 3837-1998	Group1	AWTA Melbourne, A	Australia NATA certified

AS/NZ 1530.3

AS/NZ 1530.1

Index 0 (spread of flame)

Combustibility Test for

combustible product

Materials class as a non

Exova Warringtonfire

Exova Warringtonfire

Test performed at CSIRO laboratories, Melbourne VIC

Aus Pty Ltd

Test performed at CSIRO laboratories, Melbourne VIC

Powder Testing AAMA 2604-10

Interpon D Approved Applicator			
AS3715 Section 2.5.10	Salt Spray Test: No creep more than 2mm from scribe	3000 (<8 blisters, >scribe)	Akzo Testing Lab, Mel, Australia
AS3715 Section 2.5.7	Humidity Resistant: No blistering or loss of gloss after 240hrs	3000 at 37.7 Degrees Celcius & 100% humidity	Akzo Testing Lab, Mel, Australia
BS3900-F7 at 40 Degrees Celsius	Distilled Water Immersion: Pass - No blistering or loss of gloss	240	Akzo Testing Lab, Mel, Australia
Mar Testing	Rating 4 after 32640 rubs - No loss of film adhesion - No gloss change - No dirt pick up - No abrasion - Slight Degree of Maring		
Abrasion Resistance	Abrasion Coefficient >20		
Color Retention	5 year fade: Delta < E5		
Chemical Resistance	No loss of adhesion, blistering or visually apparent change after exposure to muriatic acid, mortar, detergent, window cleaner and nitric acid		

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