

Au.diTone™ data sheet

Product Description

Au.diTone is a contemporary and stylish alternative acoustic treatment where sound diffraction is preferred to conventional sound absorption. Suited to special performance and presentation spaces by minimising flutter echoes without deadening the space.

Product Features

- Provides an ambient environment to support speech, giving superior coverage and higher speech intelligibility
- Large range of surface colours available
- Easy and quick to install
- Ideal for conference rooms, auditoriums, music rooms, and all critical listening environments

Application

Walls and ceilings

Variations

- Extensive range of surface finishes
- Manufactured from standard, moisture resistant or solid timber core.
- Choice of plank lengths

Material Sizes

- Planks are standard width of 102mm
 - Standard lengths are 2400mm, 2700mm, 3000mm and 3600mm*
- *Not all finish / length combinations are available

Jointing Options

- Au.diClip tongue and groove connection providing seamless finish

Finish Options

- Raw
- Inlux Colour

Substrates

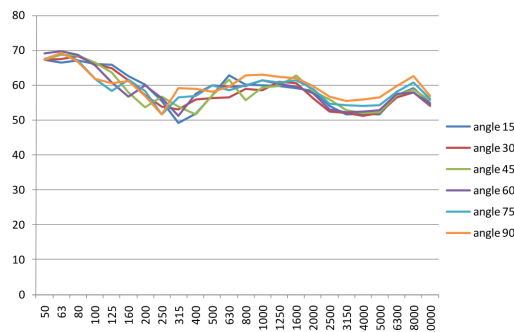
- MDF Standard
- MDF Moisture Resistant
- Solid Timber

Fire Rating

For Group Number fire ratings please contact Atkar

Acoustic Performance

Au.diTone achieves a more diffused sound field, which is critically important in the performance of music. Refer to our acoustic tests for specific results.



Maintenance

Remove marks and dust with a damp cloth and dry thoroughly. A mild cleaning agent can be used for stubborn marks. Do not use abrasive cleaning chemicals or strong solvents. By observing these basic guidelines, Au.diTone will maintain its premium appearance.

Warranty

Au.diTone is warranted for fifteen (15) years. Refer to Warranty document for terms.



Au.diTone installation guide

Sorting

On receipt of a delivery, Au.diTone planks need to be unpacked and allowed to acclimatise for 3-4 days in the installation area prior to installation. All planks should be equally exposed to the ambient conditions during this period. Natural timber faced planks should be then sorted into respective grain and colour batches to minimise the variation inherent to natural timber.

On-Site Machining

Planks can be cut to length on site with standard wood working tools. Angles, curves or service penetrations should be cut with a jig-saw. To avoid splintering or face marking on painted planks, tape up the area to be machined and cut through the tape. Refer to recommended safe working practices before starting any cutting or machining of product.

Important: Adhesive tape should never be applied to planks finished in Inlux Image or Laminate, as this could result in defects to the finish.

Access Panels

Access panels and other ceiling penetrations can be easily integrated into Au.diTone. These processes should be carried out on-site during the installation of the planks. Service penetrations can be cut into the planks once they're installed. Alternatively a 2 or 3 plank width space can be left and a custom machined solid matching insert installed for services to be mounted to.

Standard access panel sizes: 450 x 450mm, 600 x 600mm. Custom sizes available on request.

Alignment

When cutting planks to size on site, consideration needs to be given to the location of the rear perforations (partly visible inside grooves) so that once installed they align, correctly.

Layout Options

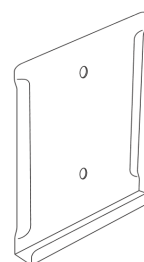
Au.diTone planks can be installed in either a 'straight' or 'offset' configuration as illustrated to create different aesthetic effects. However the design of the planks allows them to be installed in other configurations if special patterns are required.

If planks are to be butted together, a minimum 3mm expressed joint is required where any two (2) planks abut to allow for any possible expansion and contraction. 'Offset' joints allow for slight material expansion without the joint becoming visible.

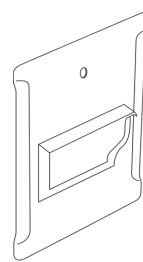
Alternatively, joints can be treated using various moulds and extrusions.

Au.diClip

The Au.diClip Installation system only requires two simple components as shown here. All standard plank deliveries include these fixing components supplied in sufficient quantities to complete installation.

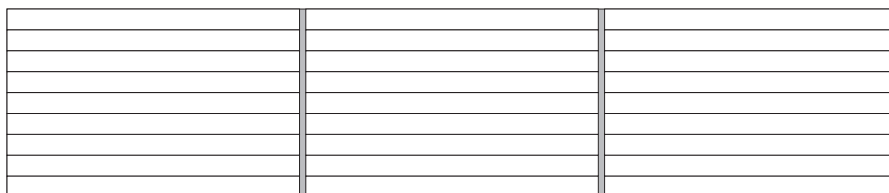


Starter Clip - Direct fixing to timber or metal battens for wall and ceiling installations (first row only)

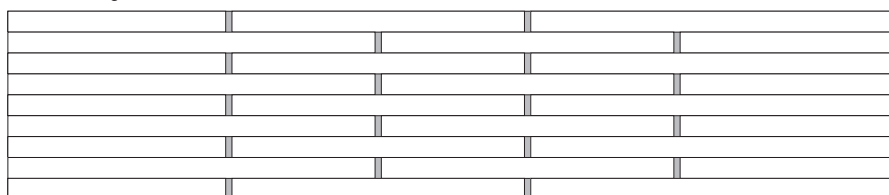


Mounting Clip - Direct fixing to timber or metal battens for wall and ceiling installations

'Straight' Configuration



'Offset' Configuration



Au.diTone installation guide

Ceiling Installation – Au.diClip

1. Unpack crate and allow Au.diTone planks to acclimatise to site conditions for 3-4 days as stated on page 2.
2. Determine starting point and plank configuration bearing in mind joint locations and alignment, and any walls or coffer. It is advisable to set out planks from the longest straight wall available.
3. Set out timber battens or furring channels to run at 90° to the intended Au.diTone plank direction (see figure 6). These should be installed at no greater than 600mm centres.
4. Determine wall detail method and fix perimeter channel or wall angle onto wall(s) (see figures 7 and 8). Fix Starter Clip onto all battens or furring channels where they abut the wall.
5. Slide first plank onto Starter Clip then slide Mounting Clip into groove on plank and fix in place. Work your way along plank fixing clips to each batten or furring channel until plank is securely fixed in place. A clip is required on every batten.
6. The next plank will slide into tongue and groove joint. Planks should fit precisely together using hand pressure only. If joint does not marry perfectly, check if there is any obstruction in the groove. Fix next clip into groove on leading edge of plank as above and fix in place. Repeat this procedure until desired ceiling area is covered.
7. Leaving the recommended 3mm minimum expressed joint, install any abutting planks in the same manner as set out in steps 3-7. Planks can be cut on site as necessary to fit around walls or any ceiling penetrations if required.

Figure 6: Mounting Detail

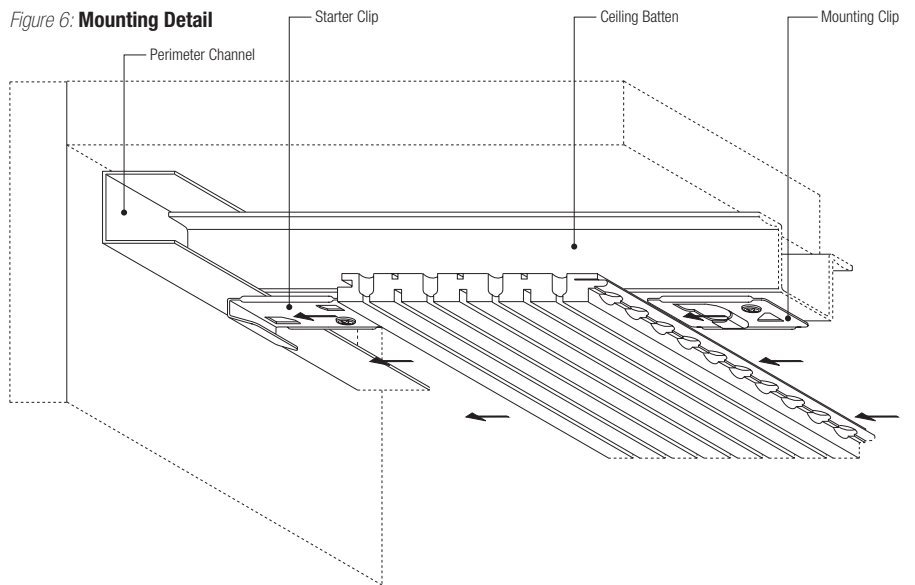


Figure 7: Shadowline Detail

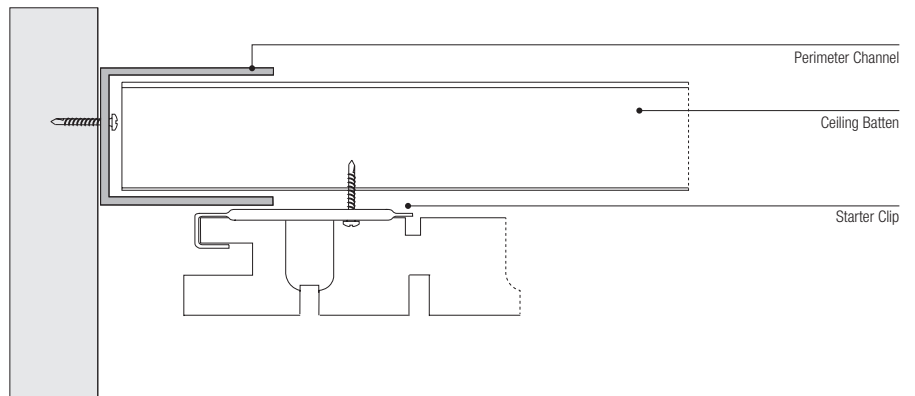
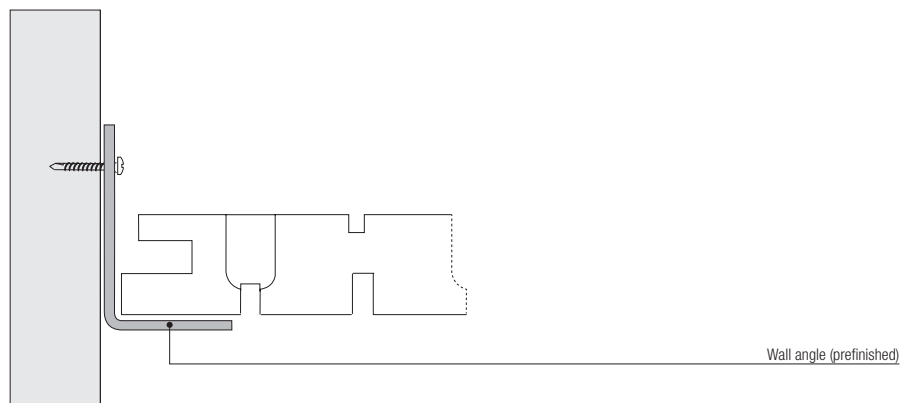


Figure 8: Flush Detail



Au.diTone installation guide

Ceiling Installation – Direct Fix

1. Unpack crate and allow Au.diTone planks to acclimatise to site conditions for 3-4 days
2. Determine starting point and plank configuration bearing in mind joint locations and alignment, and any walls or coffers. It is advisable to set out planks from the longest straight wall available.
3. Set out timber battens to run at 90° to the Au.diTone planks (see figure 9). These should be installed at no greater than 600mm centres.
4. Determine wall detail method and fix perimeter channel or wall angle onto wall(s) (see figures 2 and 3 on page 10.4). Fix Starter Clip onto all timber battens where they abut the wall.
5. Slide first plank onto starter clip then fasten planks up to battens with a compressed air staple gun (see figure 4). Using 32mm staples angle the gun correctly and staple through the tongue on the planks. Note: It is very important that care is taken to correctly set the air pressure of the gun to prevent staples penetrating too deeply through the tongue or protruding out into the groove.
6. The next plank will slide into tongue and groove joint. Planks should fit precisely together using hand pressure only. If joint does not marry perfectly, check if there is any obstruction in the groove. Nail plank through tongue as above and repeat this procedure until desired ceiling area is covered.
7. Leaving the recommended 3mm minimum expressed joint, install any abutting planks in the same manner as set out in steps 3-7. Planks can be cut on site as necessary to fit around walls or any ceiling penetrations if required.

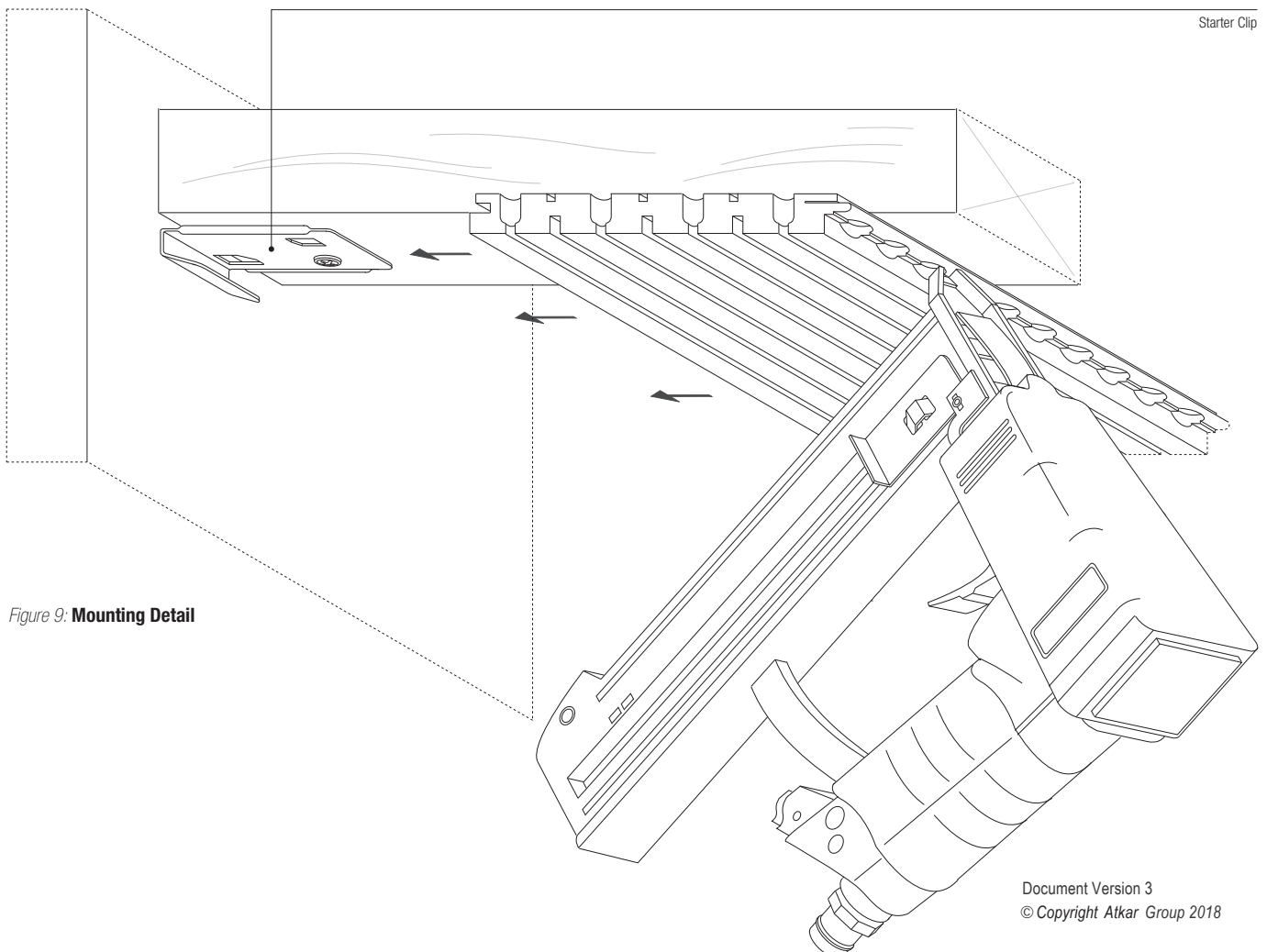


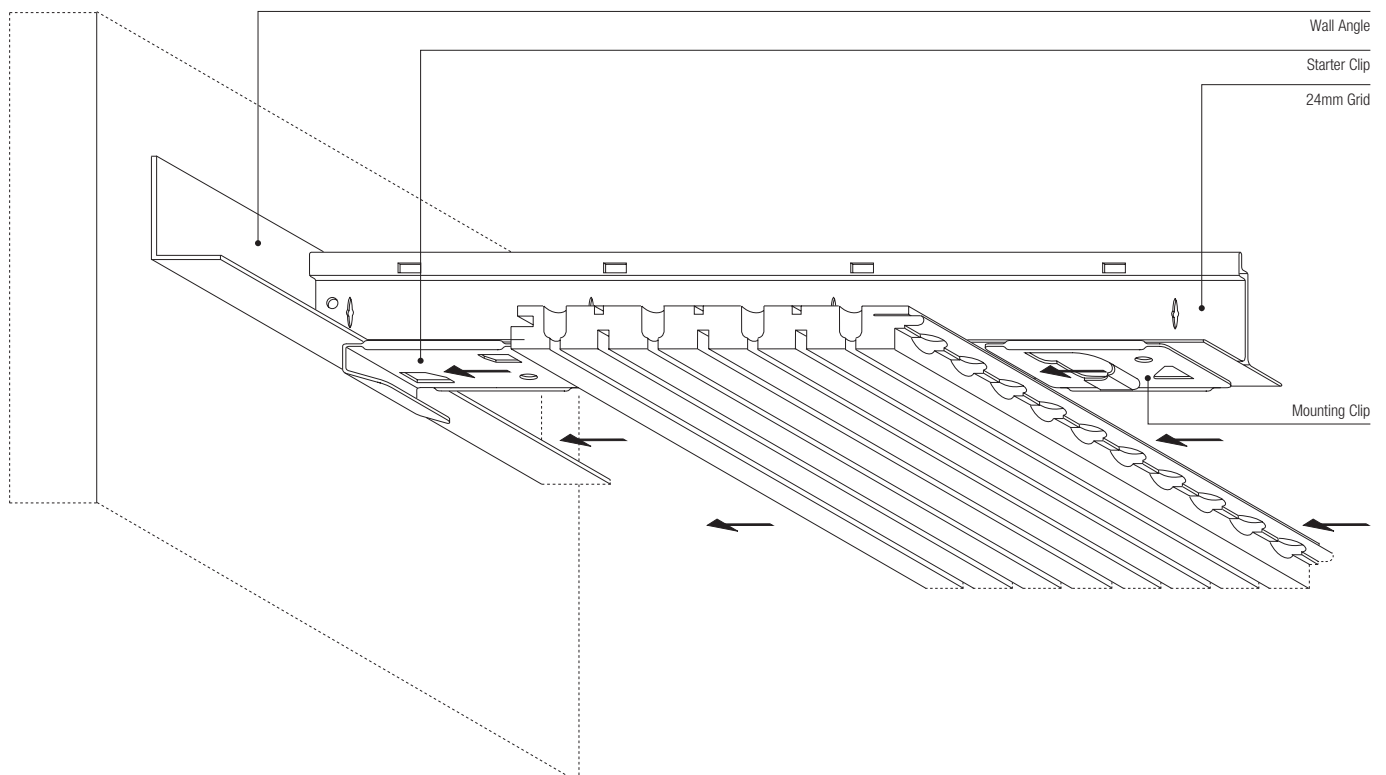
Figure 9: Mounting Detail

Au.diTone installation guide

Ceiling Installation – Au.diClip Fix

1. Unpack crate and allow Au.diTone planks to acclimatise to site conditions for 3-4 days
2. Determine starting point and plank configuration bearing in mind joint locations and alignment, and any walls or coffer. It is advisable to set out planks from the longest straight wall available.
3. Install a standard 24mm exposed grid suspension system ensuring it has sufficient weight carrying capacity. Grid should be set out so the main tees run at 90° to the intended Au.diTone plank direction. (see figure 10). These should be installed at 600mm centres.
4. At main tee and wall angle junction, twist on Starter Clip. A clip should be fitted to every main tee.
5. Slide first plank into starter clips. Twist Mounting Clip onto main tees and slide along into slot on leading edge of plank.
6. The next plank will slide into tongue and groove joint. Planks should fit precisely together using hand pressure only. If joint does not marry perfectly, check if there are any obstructions in the groove.
7. Twist the next Mounting Clip onto t-bar and slide into place as above. Repeat this procedure until desired ceiling area is covered.
8. It is recommended that every second clip be riveted to the main tee.
9. Leaving the recommended 3mm minimum expressed joint between butt ends, install any abutting planks in the same manner as set out in steps 3-7. Planks can be cut on site as necessary to fit around walls or any ceiling penetrations if required.

Figure 10: Mounting Detail



Au.diTone installation guide

Wall Installation – Clip Fix

1. Unpack crate and allow Au.diTone planks to acclimatise to site conditions for 3-4 days
2. Determine starting point and plank configuration, bearing in mind joint locations and alignment, and any corners or windows. Fix timber or steel battens to wall structure at maximum 600mm centres.
3. Use spirit level or laser level to establish a level starting line at lowest point of intended installation area.
4. Fit angle or mould to batten to support planks (see figures 12 & 13), then fix Starter Clip onto battens. A clip should be fixed to every batten. Sit first plank onto starter clips.
5. Slide Mounting Clip down into slot on top edge of plank and fix it back to batten. A clip is required on every batten.
6. The next plank will connect over first plank by means of the tongue and groove joints. Planks should fit precisely together using hand pressure only. If joint does not marry perfectly, check if there are any obstructions in the groove. Fix the next Mounting Clip into slot on top edge of planks as above and fix in place. Repeat this procedure until desired wall height is reached.
7. Continue to check the level and straightness of the planks as you work up the wall.
8. Leaving the recommended 3mm minimum expressed joint on butt ends, install any adjacent planks in the same manner as set-out in steps 3-7. Planks can be cut on site as necessary to fit around windows and doors or to finish off a wall.

Figure 11: Mounting Detail.

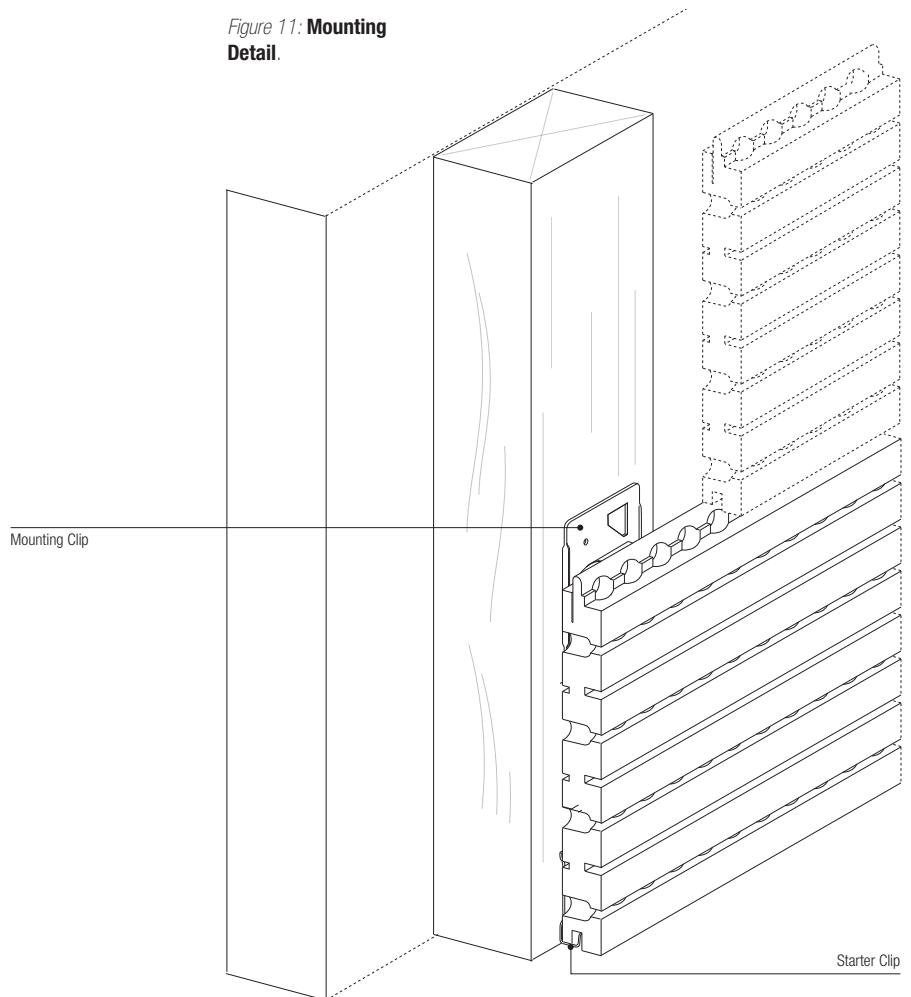


Figure 12: Angle Detail

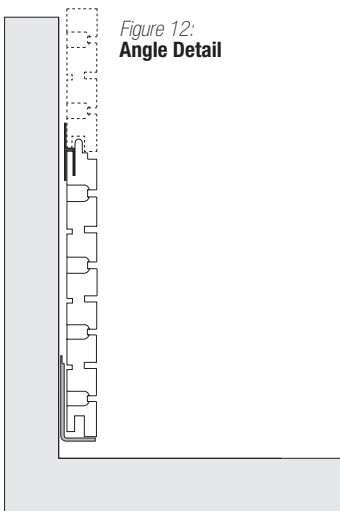
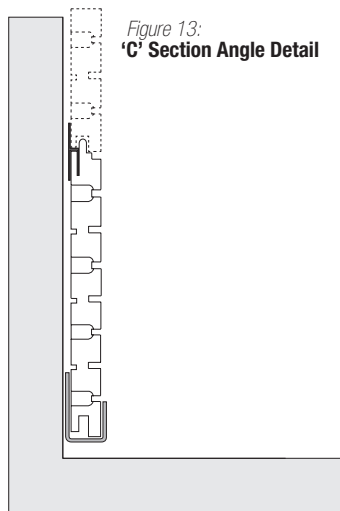
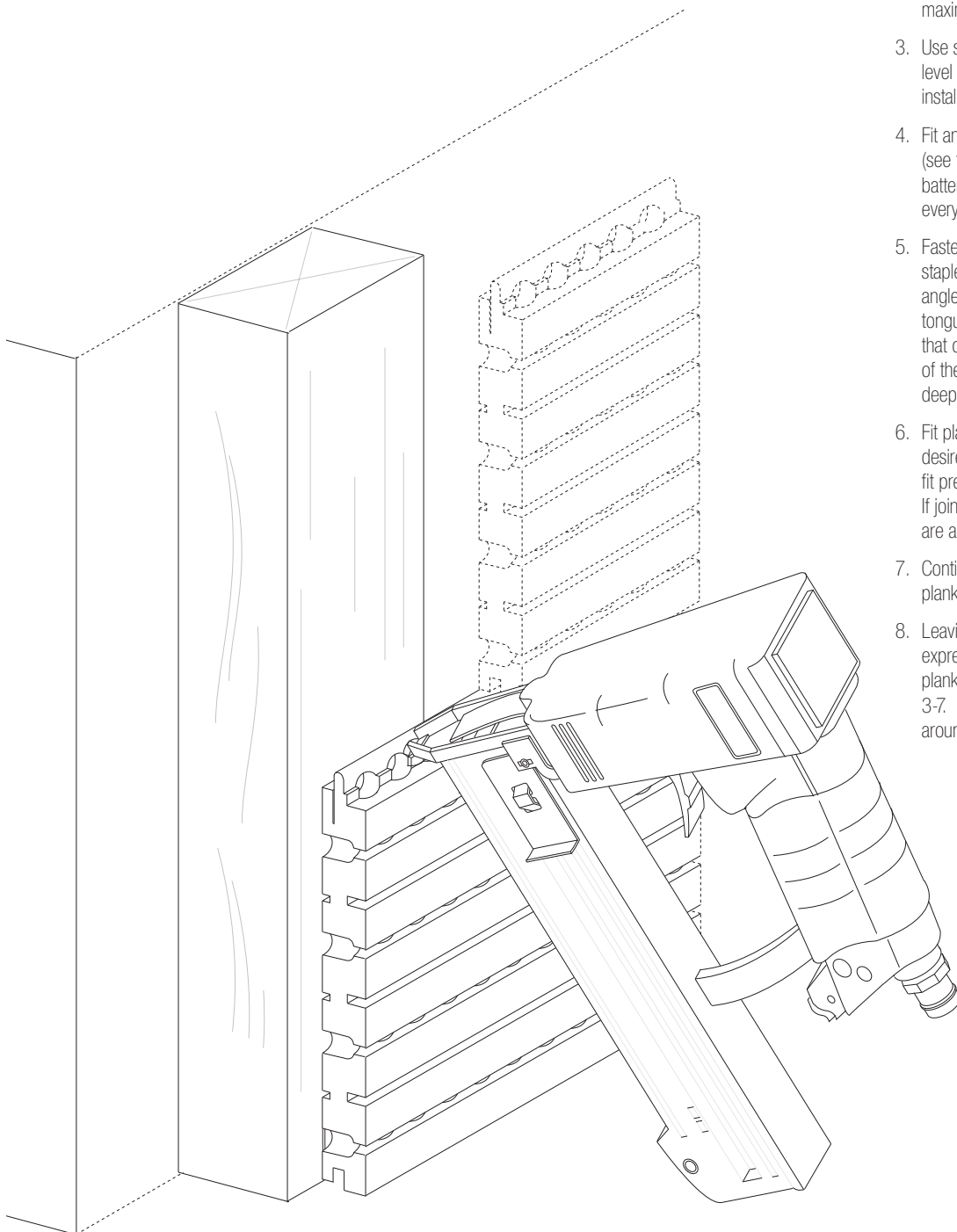


Figure 13: 'C' Section Angle Detail



Au.diTone installation guide

Figure 14: Mounting Detail



Wall Installation – Direct Fix

1. Unpack crate and allow Au.diTone planks to acclimatise to site conditions for 3-4 days
2. Determine starting point bearing in mind joint locations and alignment, and any corners or windows. Fix timber battens to wall structure at maximum 600mm centres.
3. Use spirit level or laser level to establish a level starting line at lowest point of intended installation area.
4. Fit angle or mould to batten to support planks, (see figures 12 & 13) then fix Starter Clip onto battens. A clip should be fixed to every batten. Sit first plank onto Starter Clips.
5. Fasten planks back to batten with a compressed air staple gun (see figure 10). Using 32mm staples angle the gun correctly and staple through the tongue on the planks. Note: It is very important that care is taken to correctly set the air pressure of the gun to prevent staples penetrating too deeply or protruding into the groove.
6. Fit planks together nailing into each batten until desired wall height is reached. Planks should fit precisely together using hand pressure only. If joint does not marry perfectly, check if there are any obstructions in the groove.
7. Continue to check the level and straightness of the planks as you work up the wall.
8. Leaving the recommended 3mm minimum expressed joint on butt ends, install any adjacent planks in the same manner as set-out in steps 3-7. Planks can be cut on site as necessary to fit around windows and doors or to finish off a wall.