

Au.diSlat™ data sheet

9.1

Product Description

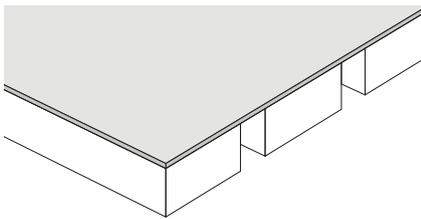
A distinctive 3 dimensional effect is created by the individual members of the Au.diSlat panel. Separate pre-finished timber slats are mounted in a modular panel array which is treated acoustically with our Integrated Acoustic Backing (IAB). Concealed fixing points are provided allowing the panel to be screw fixed to a conventional furring channel or batten system, and when installed, a continuous linear effect is created.

Many options of slat configuration and finish are available along with non-acoustic panels suitable for open-plenum ventilation applications.

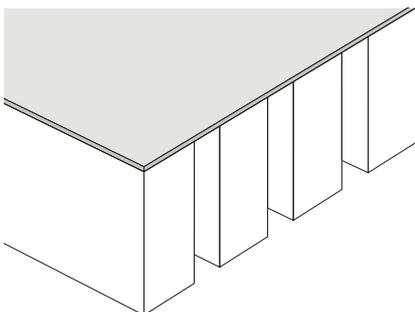
Product Features

- Extensive range of pre-finished timber veneer, timber-look and decorative surface finishes available
- Continuous contemporary linear styling
- Can be tailored for specific applications
- Panel sizes up to 3600x1200mm if required
- Integral concealed fixing system. Fasteners / drivers supplied.
- Veneers/finishes can be nominated to coordinate with other building elements or furnishings

Product Type **Ax(insert code)s**



Product Type **Ax(insert code)f**



Variations

- Standard selection of slat configurations or custom designs available (consult Atkar technical staff)
- Available without acoustic treatment for ventilation applications
- Slats available in extensive range of solid timber or decorative finishes
- Standard acoustic backing is black. White available. Consult Atkar technical staff.

Slat Configurations

Two standard slat orientations are available:

- 1) **Ax(insert code)s** is constructed with low-profile slats attached on the flat to the supporting structure and
- 2) **Ax(insert code)f** which consists of heavy profile slats supported on their edge. Both designs are available in a selection of slat layouts as illustrated.

Standard Panel Sizes	Finishes			
	Au.di Image	Paint Finish	Timber Veneer	Solid Timber
1800 x 1200mm	●	●	●	●
2400 x 1200mm	●	●	●	●
2700 x 1200mm	●	●	○	○

● Available ○ Dependant on type of timber selected



Au.diSlat data sheet

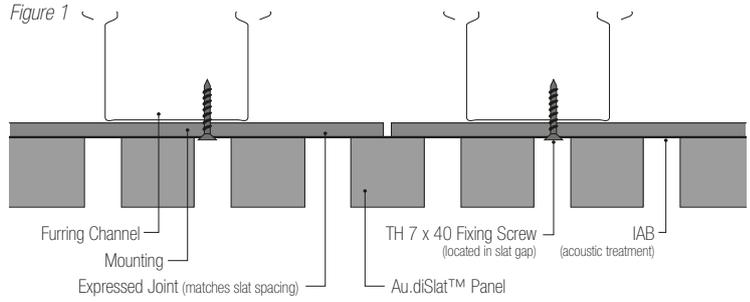
Complete Panel Diagrams

Illustrated below are scaled versions of a 1200mm wide panel showing the visual effect of each slat configuration. Refer to Data Sheets 9.5 to 9.12 for Full Scale Pattern Illustrations.

Though a standard range of slat configurations is offered as illustrated below, customized slat size and spacing combinations are available if required.

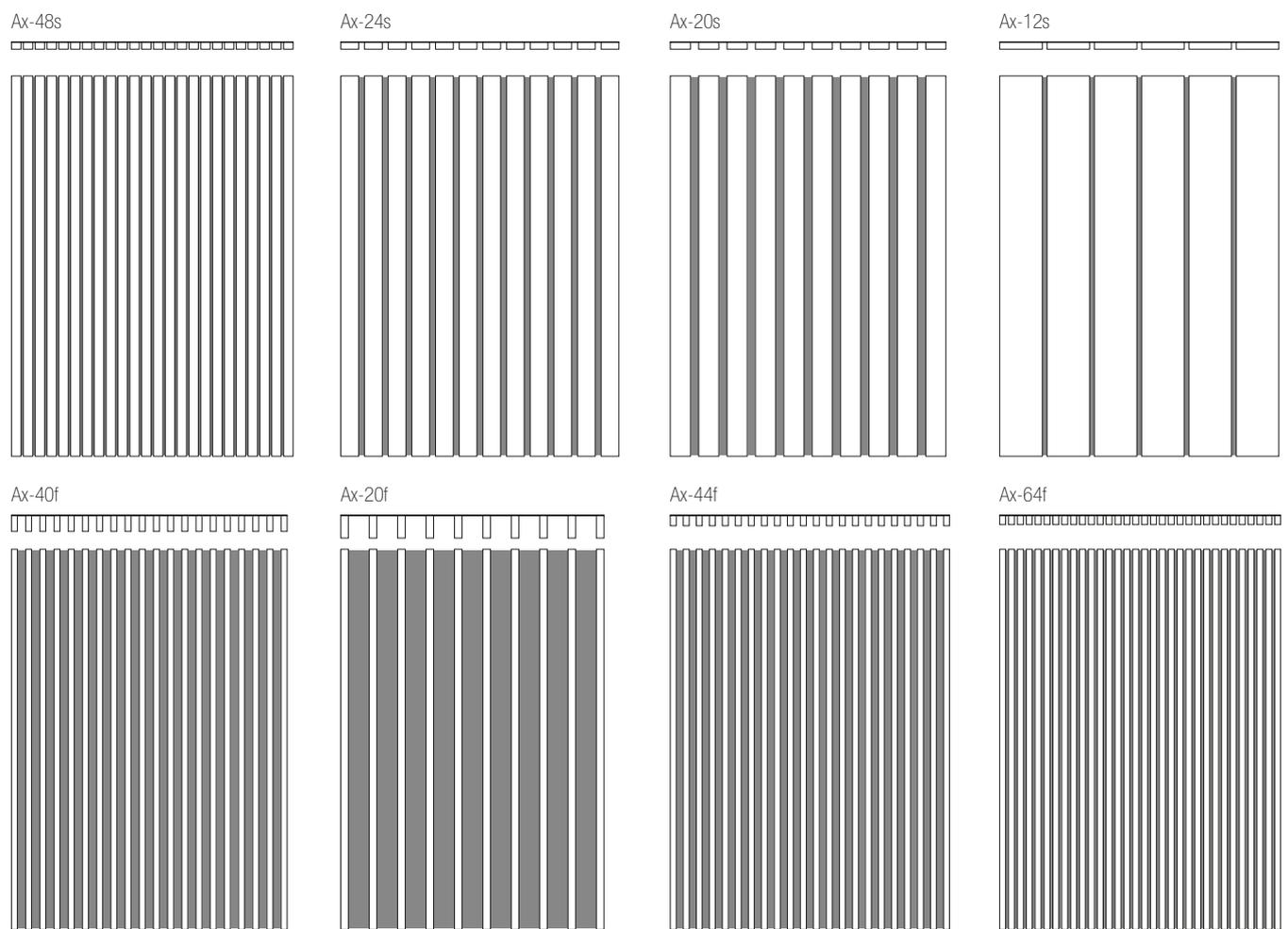
Panel Joining

As illustrated in Figure 1, Au.diSlat has an integral fixing system which incorporates the necessary joining elements to create a seamless effect and ensure ease of installation.



Approximate Open Area Guide

Product Code	Open Area	Overall Thickness	Product Code	Open Area	Overall Thickness
Ax-48s	8.24%	27mm	Ax-40f	23.56%	79mm
Ax-24s	12.74%	27mm	Ax-20f	23.56%	109mm
Ax-20s	15.70%	27mm	Ax-44f	25.86%	54mm
Ax-12s	5.40%	27mm	Ax-64f	10.05%	49mm



Au.diSlat data sheet

Installation Details

Table 1 provides a fixing guide for general residential and commercial applications.

Consideration should be given to reduced framing centre's for higher impact areas such as corridors or crowded spaces, or where surface are to be curved (NB. Not all Au.diSlat designs are suitable for curving – consult Atkar Technical Staff for assistance)

Panels can be cut on site. Mask up around the area to be machined and carefully cut through panel with standard woodworking power tools. Consult Atkar technical staff prior to cutting for advice on structural, technical or finishing issues.

Installation Procedure

- 1 Au.diSlat has an integral fixing system which includes the necessary fasteners and drivers. Fixing points are located across the width of the panel. Support framing (ie. furring channels) must be orientated to run in the same directions as the fixing strip.
- 2 Prior to construction of the support framing system, the entire ceiling should be set out in a grid format, bearing in mind location of the fixing points as determined by the nominated panel layout. It is recommended that the set-out is conducted from the centre of the room. The location of light fittings and other service items needs to be considered so as to avoid cutting through any of the framing members or panel fixing points.

NB It is important that the layout grid is kept square and accurate to avoid complications with the panel installation.

Attention - The method of fixing indicated for this product is of a general nature only and does not allow for specific design criteria such as wind loads, expansion joints or any other special design requirements which should be separately provided for by the specifier.

Due to continual product improvement, the information in this publication is subject to alteration without notice.

Table 1

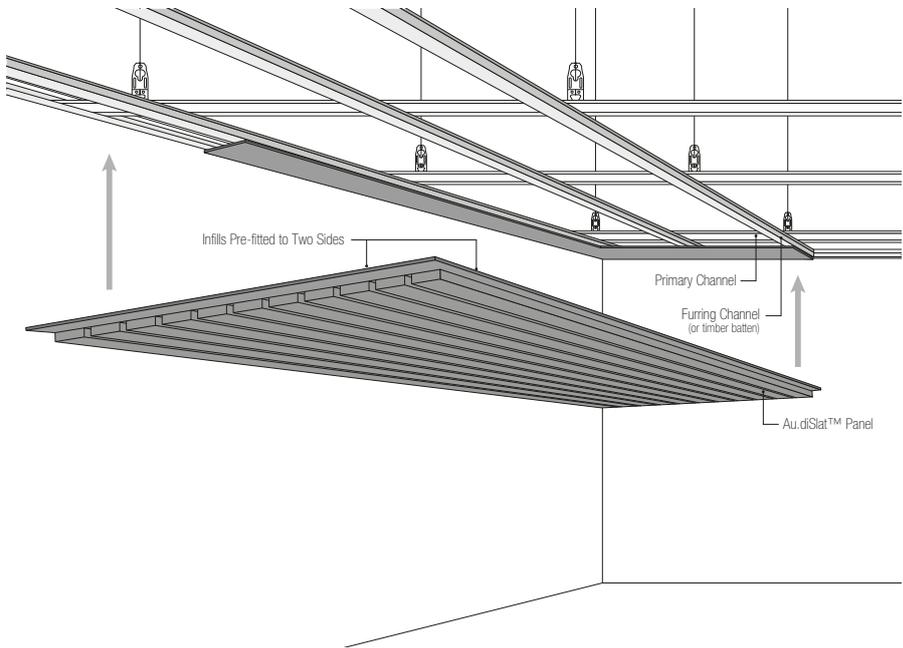
Au.diSlat	Max Framing Centre (mm)		Joints	
	Walls	Ceilings	Side	Ends*
Ax(insert code)s	600	600	Matches slat spacing	3mm Minimum
Ax(insert code)f	-	600	Matches slat spacing	3mm Minimum

**Please Note: Panels must have an expressed joint at the butt ends.*

- 3 Joint infill strips are pre-fitted to 2 adjacent sides of the panels only. Panel orientation should be determined, and infill strips attached to the 2 adjacent walls abutting the panel sides not fitted with infill strips (Refer indicative diagram below).
- 4 Once the infill strips have been attached, panel installation should commence from this corner – as determined in step 3 above. Use care to align all panels with the panel layout grid.
- 5 Once fixing points have been located, the TH 7x40 (black) fixing screws should be installed through the gaps in the slats at 300mm maximum centers, ensuring that the screw passes through the fixing strip with sufficient material around the screw head to gain full support. *Do not over-drive the screw.*
- 6 Adjoining panels are mounted in a similar sequence, making minor adjustments to the expressed joint width where necessary to accommodate any tolerance discrepancies.
- 7 When all panels have been installed, check adjoining panels for 'flushness' and check all expressed joints for alignment, making adjustments where necessary.

De-mounting procedure

It is not recommended that panels be de-mounted and re-installed by unqualified personnel. Any lack in knowledge of the system could lead to system failure. To de-mount a panel, screws need to be located and removed from within the perforations and the panel slid back and down. This will usually require two men. Re-installation of the panels is the reverse of the above. It is very important that the screws be fixed back through the fixing points. Failure to properly secure the panel through all mounting strips could lead to system failure and panel dislodgement.



Au.diSlat draft specification

9.4

The following Draft Specification contains sections on italicised text where the specifier's input is required.

Text identified with an asterisk requires the non-applicable wording to be struck out or deleted. Text containing '.....' requires the specified information to be inserted.*

1.0 General

1.1 Scope

Materials listed below to be supplied and installed to all areas detailed on drawings, or otherwise quantified.

1.2 Qualifications

Installation shall comply with the relevant building codes using approved fixings and the work executed by competent tradesmen.

1.3 Storage of Materials

All materials delivered to site shall be stored flat in an enclosed shelter, providing protection from damage and exposure to the elements. Damaged or deteriorated material shall be immediately removed from the site.

2.0 Product

Important: Where acoustic performance is required, add 'IAB' after product type in clause 2.1 and include paragraph 2.2 in project specification.

2.1 Panels

Ceiling/wall panels shall be Au.diSlat type(insert code) IAB* with MDF/Plywood substrate* by Atkar, telephone 03 9796 3333.*

Slats shall be

- a) **Prefinished with Atkar Au.dilmage(design) decorative surface finish.*
- b) **Veneered with(type veneer) laminated to the exposed face / face and edges* of the panel and prefinished with(type of coating).*
- c) **Prefinished with decorative paint-finish to all exposed surfaces. Colour(insert colour) in gloss / satin finish.*

2.2 Acoustic Treatment

1/. *IAB (Integrated Acoustic Backing - Black).*

Panels shall be supplied with Atkar Integrated Acoustic Backing (IAB) and conform to Acoustic Test Report No. AO3RMST1.

2/. *Insulation* - Optional

(Insert details of additional bulk insulation here, if required).

3.0 Execution

Walls

Alternative 1 (Concealed fixed walls)

Wall panels to be mounted using the ATKAR concealed fix system BJ2.

Alternative 2 (Exposed fixed walls)

*Wall studs / battens / furring channels** shall be installed atmm centres and allow for full perimeter support of all wall panels. Ceiling panels must be installed with face grain at right angles to framing members and all panels to be acclimatised according to manufacturer's recommendation prior to installation. Panels to be fixed withtype of fastener atmm centres around perimeter of panel and atmm centres within the body of the panel.

Ceilings

Alternative 1 (Standard concealed fixing)

Wall studs / battens / furring channels shall be installed atmm centres and allow for full perimeter support of all wall panels. Panels to be fixed between slats at 300mm centres around perimeter of panel and at 300mm centres within the body of the panel. Panels shall be installed as per manufacturer's installation instructions (data sheets available).

Alternative 2 (Exposed fixed ceilings)

*Wall studs / battens / furring channels** shall be installed atmm centres and allow for full perimeter support of all wall panels. Ceiling panels must be installed with face grain at right angles to framing members and all panels to be acclimatised according to manufacturer's recommendation prior to installation. Panels to be fixed withtype of fastener atmm centres around perimeter of panel and atmm centres within the body of the panel.

4.0 Completion

Upon completion of the installation, check that all panels and cover moulds (if applicable) are securely fastened to their framing members and all fixings are properly installed and finished.