

Au.diSlot™ data sheet

4.1

Product Description

As an alternative to traditional circular hole perforations, Au.diSlot features 'slot' type perforations with a complementing selection of decorative surface finishes.

Au.diSlot is available with our optional Integrated Acoustic Backing (IAB) and is produced in a standard range of slotting patterns to suit most acoustical and visual requirements.

Product Features

- Standard range of pre-finished timbergrain and decorative surfaces
- Large range of slot patterns
- Higher impact resistance achieved with plywood panels
- Veneers can be nominated to co-ordinate with other timber building elements or finishes
- Use as ventilation panels (plywood substrate only)
- Curved walls or ceilings (max 4000mm radius)

Variations

- Choice of plywood or MDF substrates
- Optional face veneer to your specifications
- Edge profiling and face detailing of panels available to your specifications
- Range of standard slot patterns or custom patterns, consult Atkar Technical Staff
- Integrated Acoustic Backing (IAB)

Joining Options

- Vee Joint
- Expressed joint (Where expressed joints are selected, allowance should be made for dressing of panel edges)
- Cover Mould

Material Sizes

Au.diSlot is available uncoated or pre-finished in our select range of decorative surface finishes in standard sizes shown to the right. For non-standard sizes or panels over 2400mm in length, consult Atkar Technical Staff.

If natural timber veneers are required, please check current availability.

MDF Sizes

	6.0mm	9.0mm	12.0mm	16.0mm	18.0mm
2400 x 1200mm	●	●	●	●	●
1800 x 1200mm		●	●	●	●
2400 x 900mm		●	●	●	●
1800 x 900mm		●	●	●	●

Plywood Sizes

Some grades – imperial sizes only

	6.0mm	9.0mm	12.0mm	16.0mm	18.0mm
2400 x 1200mm	●	●	●	●	●
1800 x 1200mm	●	●	○	○	●
2400 x 900mm	○	○	○	○	○
1800 x 900mm	●	●	○	○	●

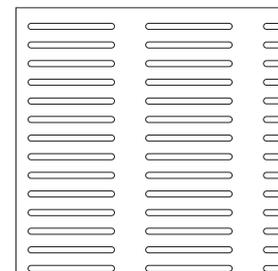
- Ex-stock sizes
- Manufactured to order, lead times and minimum quantities apply.

Perforation Patterns

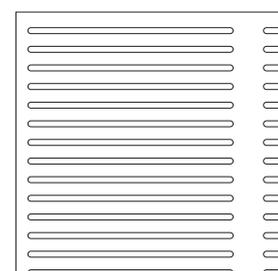
Two standard perforation designs are available. AS11, having 8 rows of short slots per 1200mm wide panel and AS26, having 4 rows of longer slots per 1200mm wide panel. Both designs are available in a selection of slot widths as detailed on Data Sheet 4.2 Open Area Guide.

Insert slot width code at end of Product Type. Example product type AS11-25/63, is Au.diSlot type AS11-25 with 6.35mm wide slots.

Product Type AS11



Product Type AS26



Au.diSlot data sheet

Margin Options

Standard margins are 20mm.

Margins may be varied to suit individual requirements, please consult Atkar Technical Staff

Complete Panel Diagrams

Illustrated below are scaled versions of a 1800 x 1200mm panel showing the effect of a full panel of each slotting pattern. All patterns are available in a variety of slot widths.

Open Area Guide

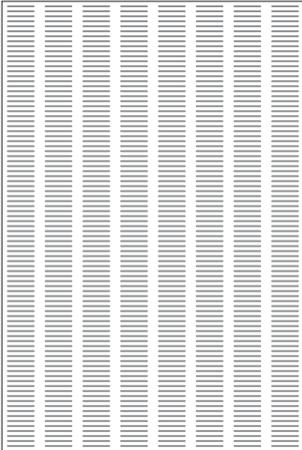
Product Type AS 11

Slot Width		Type AS11-20	Type AS11-25	Type AS11-40	Type AS11-50
mm	Code				
4.75	47	16.9%			
6.35	63		18.0%	11.1%	
8.0	80	28.4%	22.6%	14.0%	11.1%
12.7	127			21.9%	17.4%

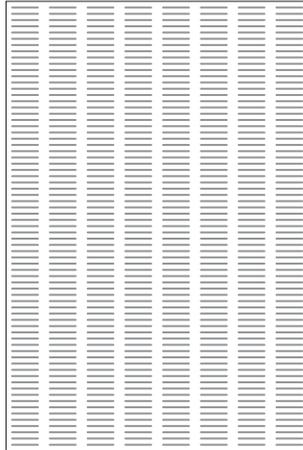
Product Type AS 26

Slot Width		Type AS26-20	Type AS26-25	Type AS26-40	Type AS26-50
mm	Code				
4.75	47	20.2%		9.9%	
6.35	63		21.4%	13.2%	
8.0	80	33.9%	27.0%	16.6%	13.2%
12.7	127			26.3%	20.9%

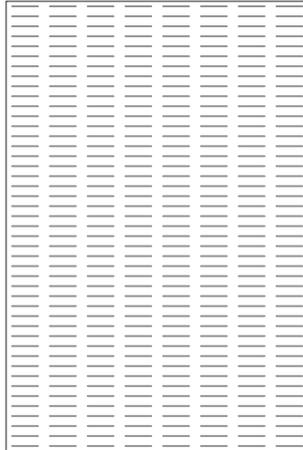
Product type AS11-20/(insert code)



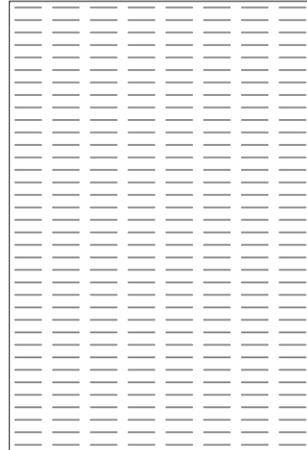
Product type AS11-25/(insert code)



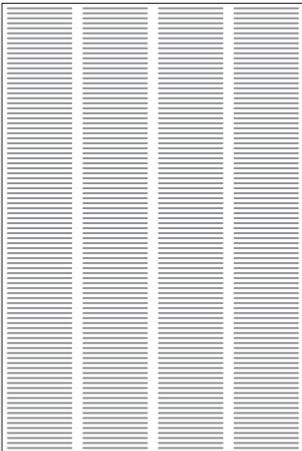
Product type AS11-40/(insert code)



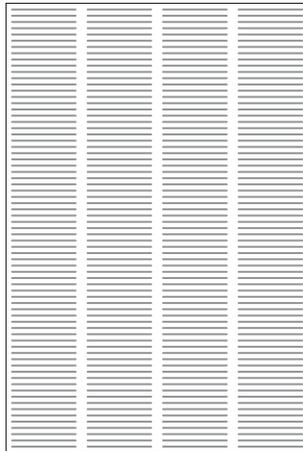
Product type AS11-50/(insert code)



Product type AS26-20/(insert code)



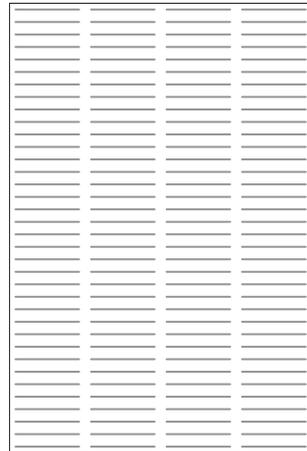
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Product type AS26-40/(insert code)



Product type AS26-50/(insert code)



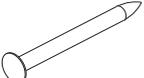
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Installation Details

The table to the right provides a fixing guide for general, residential and commercial applications. Panels can be face fixed or conceal fixed. Refer to Au.diMount data sheets for applicable concealed fixing systems.

Consideration should be given to reduced framing centres for higher impact areas such as corridors and crowded spaces, or where surfaces are to be curved.

Au.diSlot wall panels are to be installed with a full perimeter support and ceiling panels must have the face grain running at right angles to framing members or battens. If panels are to be face fixed, timber framing members are recommended to enable more discrete fixings to be used. To minimise the risk of buckling, it is recommended that the panels be allowed to acclimatise in the area in which they are to be installed. This is best achieved by standing the individual panels loosely around the room and allowing air to freely circulate around them for several days prior to fixing. Allowance should be made between panels to accommodate swelling and building movement.

Material Thickness (mm)	Maximum Framing Centres (mm)	Fastener Centres Perimeter (mm)	Fastener Centres Intermediate (mm)	Expansion Joints Required	Fastener Type (Both are suitable for MDF and Ply applications)
MDF		Walls and Ceilings		No	Timber Flat head nail, example 40 x 2.0mm panel pin 
9.0	450	200	300		
12.0 – 18.0	600	200	300		
Other *					
Ply		Walls		No	Steel 0.6 – 1.2mm HD 8/22, 8/30, 8/40 depending on panel thickness 
6.0	450	150	200		
		Ceilings			
6.0	600	150	200		
		Walls and Ceilings			
9.0 – 12.0	600	200	300		
16.0 – 25.0	600	300	400		

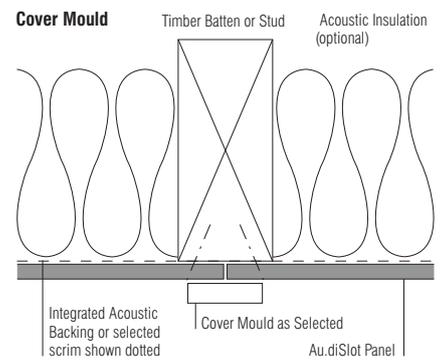
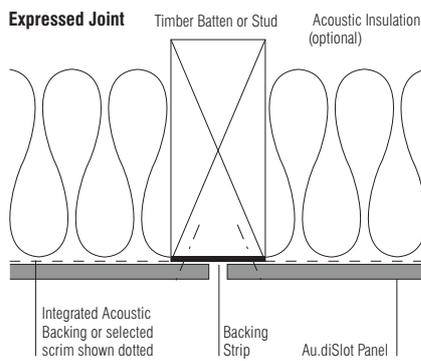
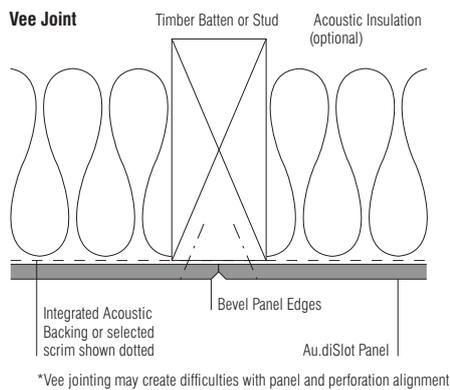
General fixing guide only, for interior applications, consult Atkar Technical Staff for full details.

* For other thicknesses consult Atkar Technical Staff.

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.

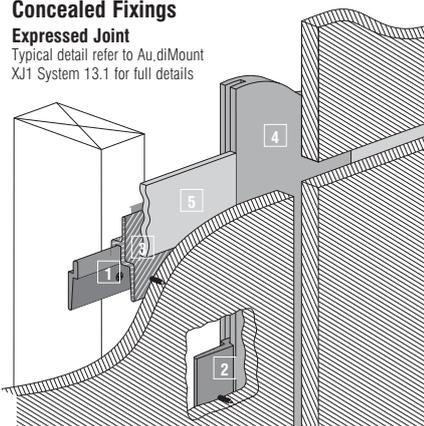
Due to continual product improvement the information in this publication is subject to alteration without notice.

Jointing Details



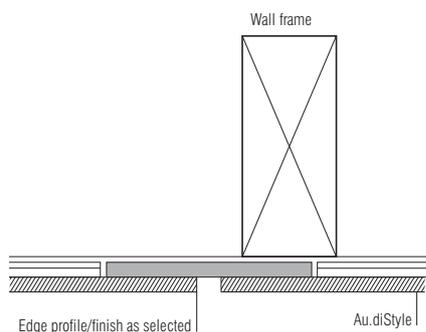
Concealed Fixings

Expressed Joint
 Typical detail refer to Au.diMount XJ1 System 13.1 for full details



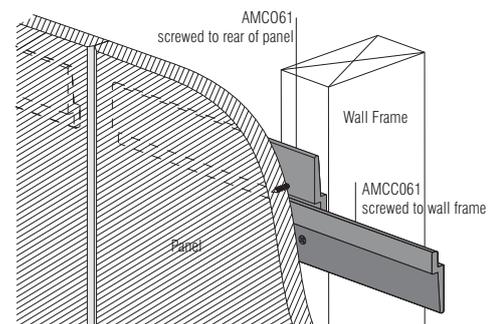
Expressed Joint – Plan view

Au.diMount Concealed Fixing System (Refer to Installation System - XJ1)



Butt Joint System

Typical detail refer to Au.diMount BJ2 System 13.2 for full details



Au.diSlot draft specification

4.4

The following Draft Specification contains sections of 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 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.diSlot type* (insert code) *IAB** slotted *.....mm* thick *MDF/plywood** by Atkar, telephone 03 9796 3333, with a *.....mm* clear border to the perimeter.

Slot orientation to be

- a) **Standard** (slots running parallel with short side of panel)
- b) **Reversed** (slots running parallel with long side of panel)

Panels shall be

- a) **Prefinished with Atkar Au.dilimage.....(design) decorative surface finish and* (style) edge with *.....(design) finish.*
- b) **Veneered with* (type veneer) laminated to the exposed face/face and edges* of the panel and prefinished with *.....* (type of coating).
- c) **Site painted as nominated in finishes schedule.*

2.2 Acoustic Treatment

1/. *IAB (Integrated Acoustic Backing)*

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

Alternative 1 (Concealed fixed walls with expressed joints)

Wall panels are to be mounted using the Au.diMount XJ1 system. Expressed joint component AXV09/AXH06 to be finished with Au.dilimage *.....(design)* decorative surface to match/contrast with the panel finish. Expressed joints to be *.....mm* wide.

Alternative 2. (Concealed fixed walls)

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

Alternative 3. (Exposed Fixings)

Wall studs/battens/furring channels shall be installed at *.....mm* centres and allow for full perimeter support of all wall panels. Panels to be fixed with *.....type of fastener* at *.....mm* centres around perimeter of panel and at *.....mm* centres within the body of the panel. Panels shall be installed *with a nominal perimeter clearance and* (type and size) *cover strap over all joints/with a* mm size expressed joint to all sides/vee jointed and butted together.

Alternative 4. (Exposed fixed walls and ceilings)

*Wall studs/battens/furring channels** shall be installed at *.....mm* 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 with *.....type of fastener* at *.....mm* centres around perimeter of panel and at *.....mm* 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.