

Au.diBeamTM data sheet

Product Description

A seamless three-dimensional effect is created by the individual members of the Au.diBeam panel. Separate pre-finished timber beams are mounted in a modular panel array which is treated acoustically with our Sonus Acoustic Backing (SAB).

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 beam configuration and finishes 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 3600x600mm if required
- Inluxe finishes can be nominated to coordinate with other building elements or furnishings

Variations

- Standard selection of beam configurations or custom designs available
- Available without acoustic treatment for ventilation applications
- Beams available in a range of decorative finishes
- Standard acoustic backing is black; white is also available.

Applications

Walls and ceilings

Fixing System

Face fix

Substrates

Lightweight beams with MDF face

Material Sizes

Au.diBeam is available in beam thickness of 50mm or 100mm. The beam depth is min. 100mm and max. 300mm, with lengths up to 3600mm.

Finishes

Au.diBeam is available in a range of Inluxe finishes

	Inluxe Veneer	Inluxe Image	Inluxe Colour
Standard Panel Sizes			
1800 x 600mm	○	○	○
2400 x 600mm	●	●	●
2700 x 600mm	○	○	○
3000 x 600mm	○	○	○
3600 x 600mm	●	●	●

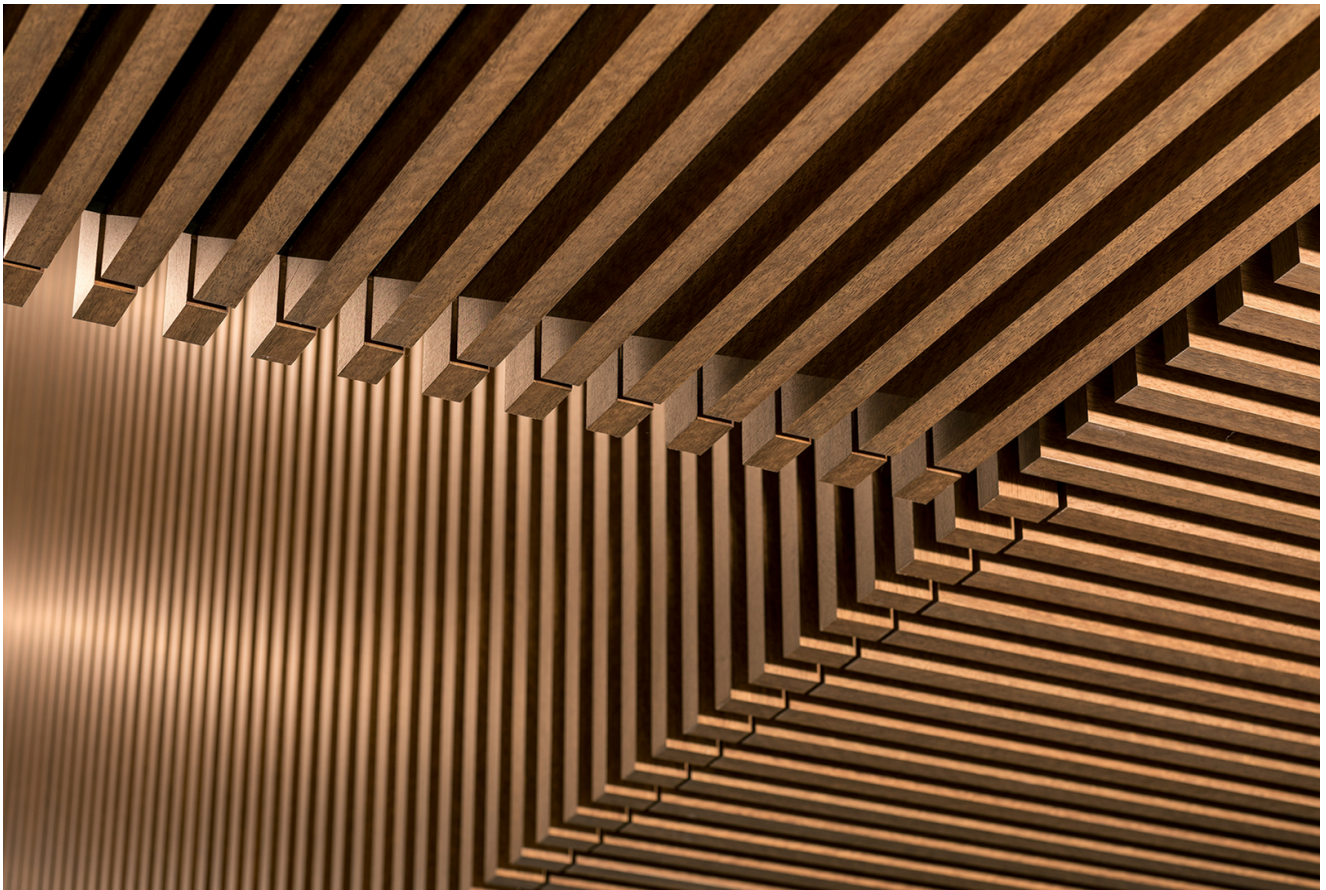
● Standard ○ Non-standard

Fire Rating

For Group Number fire ratings please contact Atkar

Warranty

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



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Complete Panel Diagrams

Illustrated below are scaled versions of a 600mm wide panel showing the visual effect of each beam configuration.

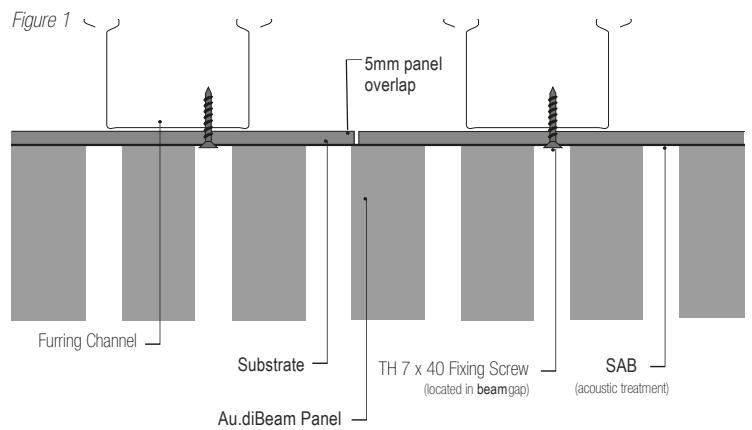
Though a standard range of beam configurations is offered as illustrated below, customised beam size and spacing combinations are available if required.

Panel Jointing

As illustrated in Figure 1, Au.diBeam panels are shown with a 5mm overlap for a seamless effect.

Access Panels

Access panels and other ceiling penetrations can be easily integrated into Au.diBeam via drop-in. Standard sizes 450x450mm and 600x600mm. Custom sizes available on request.



BM-0502



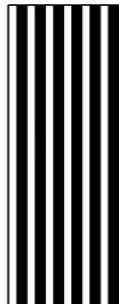
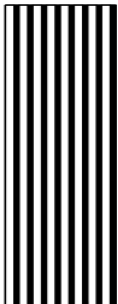
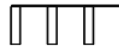
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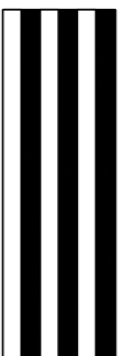
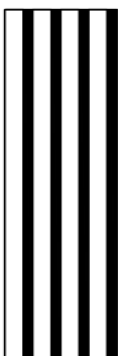
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BM-1020



Au.diBeam installation guide

Installation Details

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

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

Air Gap

You must leave a minimum 90mm air gap between the panel and ceiling to ensure optimal acoustic performance.

Installation Procedure

- 1 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.
- 2 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).

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

Table 1

Au.diBeam	Max Framing Centre (mm)		Joints	
	Walls	Ceilings	Side	Ends*
All panel sizes	600	600	Matches slat spacing	5mm Min. Clearance

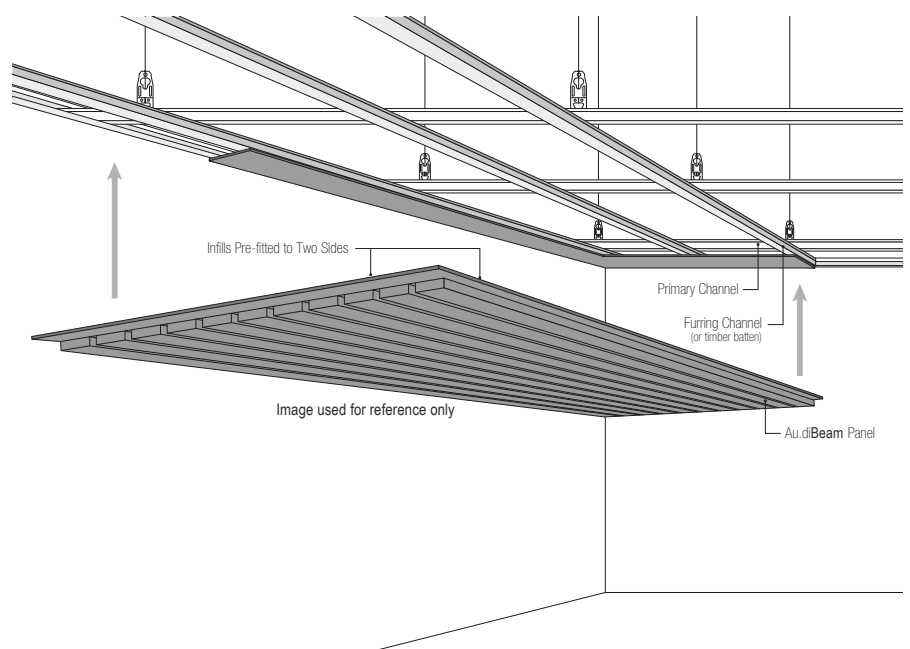
**Please Note: Panels must have an expressed joint at the butt ends.*

- 3 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.
- 4 Once fixing points have been located, the TH 7x40 (black) fixing screws should be installed at **200mm maximum centers along the width of the panel, and 600mm maximum centers along the length**, with sufficient material around the screw head to gain full support. **Screw head finish flush with backing board. To avoid damage, do not over-drive the screw.**
- 5 Adjoining panels are mounted in a similar sequence, making minor adjustments to the expressed joint width where necessary to accommodate any tolerance discrepancies.
- 6 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 the panel, **then** slid back and down. This will usually require two **people**. Re-installation of the panels is the reverse of the above. It is very important that the screws be fixed back through the **same** fixing points.

Failure to properly secure the panel could lead to system failure and panel dislodgement.

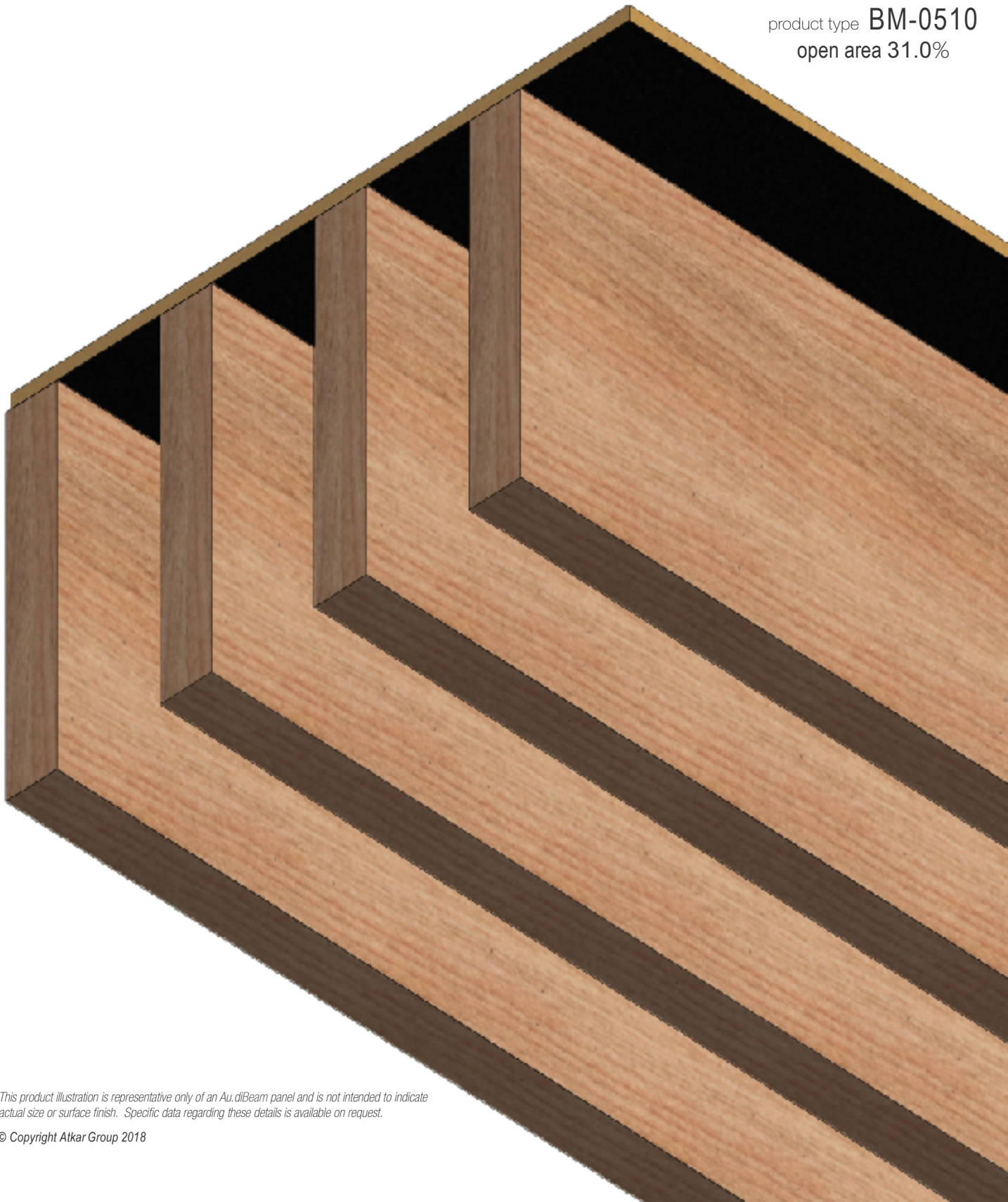


Attention - The method of fixing indicated for this product is of a general nature only and does not allow for specific design criteria such as wind loads, expansion joints or any other special design requirements which should be separately provided for by the specifier.

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

Au.diBeam quarter scale pattern illustration

product type **BM-0510**
open area **31.0%**



This product illustration is representative only of an Au.diBeam panel and is not intended to indicate actual size or surface finish. Specific data regarding these details is available on request.

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Au.diBeam quarter scale pattern illustration

product type BM-1010
open area 22.8%



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