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architectural and acoustic solutions
lining, cladding and ceiling systems
site and construction products

Atkar
beyond expectations

# Au.diMount XJ1™ installation

13.1.1

**Au.diMount XJ1 System – for walls with an expressed joint detail**

**Introduction**

The Au.diMount XJ1 System is designed to provide a concealed fix wall mounting system for timber substrate panels where expressed joints are required. This system incorporates a unique, integral joint finishing detail.

Once the panel face finish is selected, a matching or contrasting expressed Joint Infill colour can be selected providing stunning results.

Joint widths are variable from 6mm to 50mm with this unique system, enabling the designer to further enhance the expressed joint. For wider joints, contact Atkar technical staff.
*Note - Minimum recommended panel thickness - 12mm*

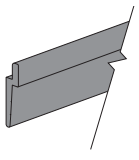
**Features**

- Integral expressed joint backing detail
- Fully concealed fixing
- Easily demountable
- Suitable for perforated acoustic panels

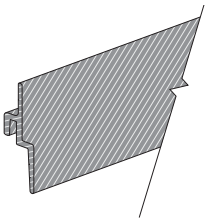
**Variations**

- Variable joint width
- Large range of joint infill colours available

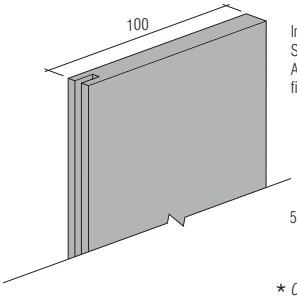
**Components**



AMC061 Carrier rail 1 2



AXP161 Panel rail 3




Infill Strips
Select face finish from Au.dilmage Range (custom finishes available on request)

* *Custom widths available*

AXV09 Vertical Infill 4

AXH06 Horizontal Infill 5

**XJ1 System**

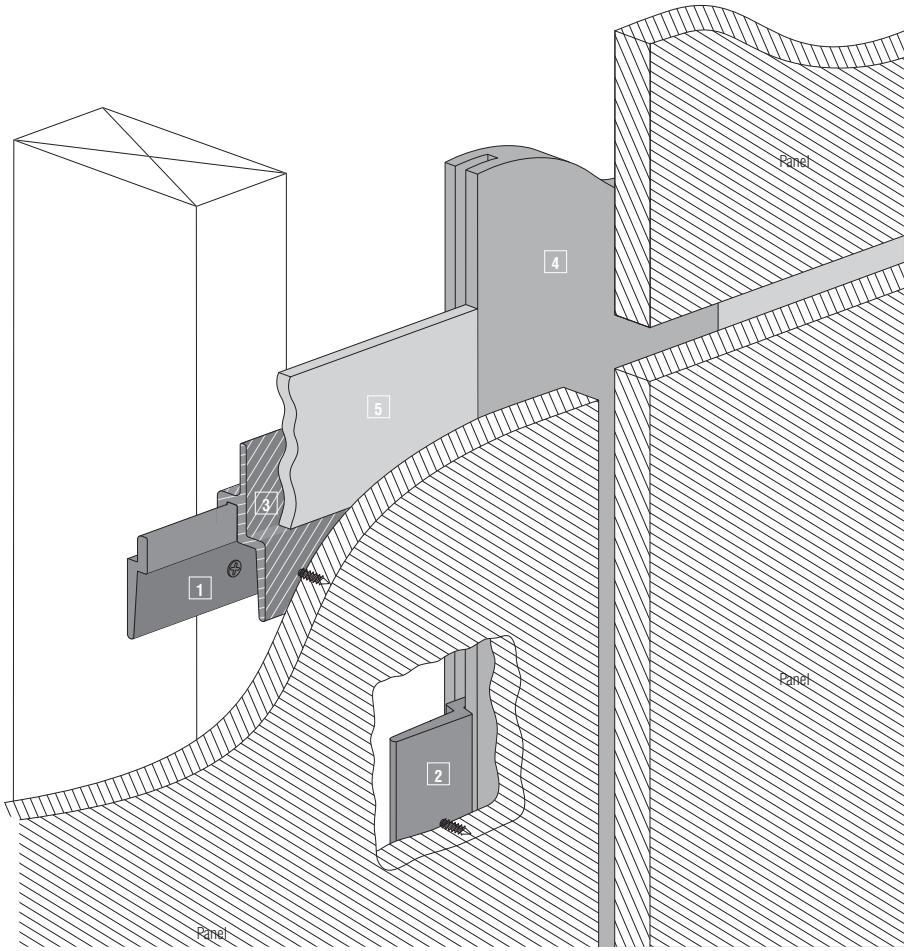


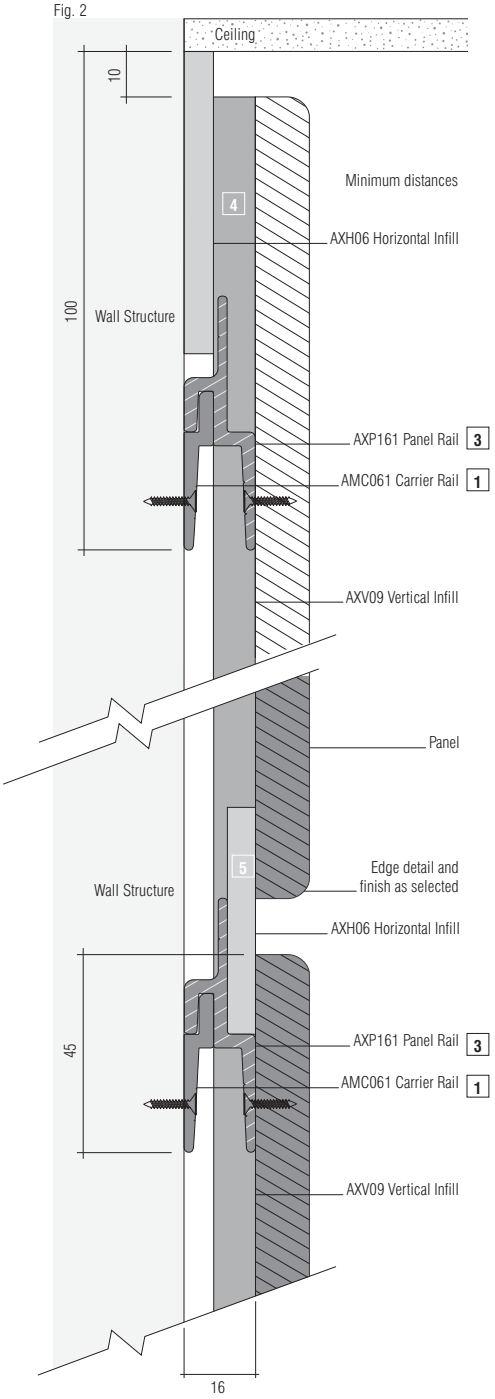

Fig. 1

# **Au.diMount** XJ1 installation 13.1.2

## Wall Sections

Typical section of Au.diMount System XJ1 panel mounting application.

Fig. 2




*Note: Recommended minimum 50mm wall cavity when using perforated acoustic panels. Refer to Atkar Technical Staff*

## Corner Details

A variety of techniques for constructing internal and external corners are possible with the XJ1 system. Shown below are some standard configurations which suit most common applications.

### External Corner Detail

**Mitred Joint**

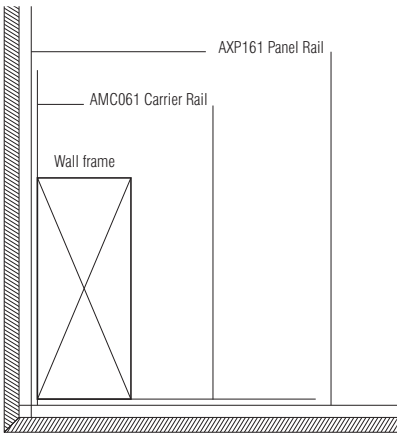



Fig. 3

**Expressed Joint**

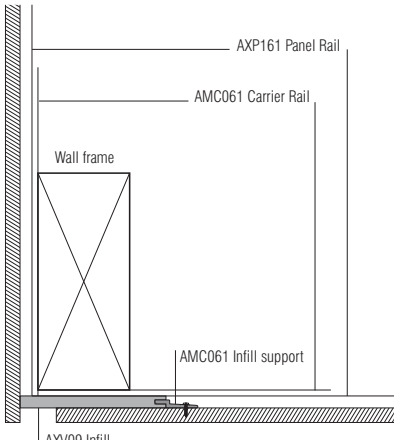



Fig. 4

*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.*

## Internal Corner Details

**Butt Joint**

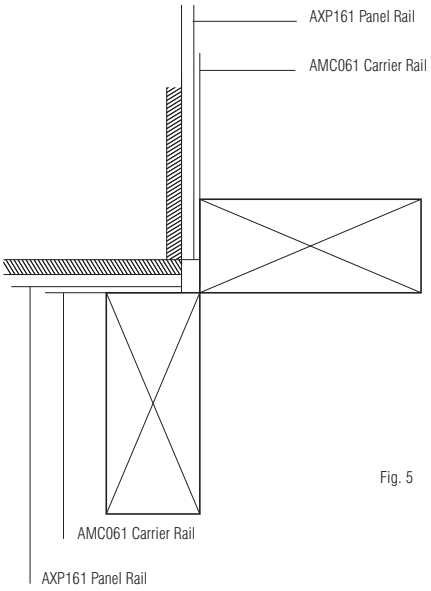



Fig. 5

**Expressed Joint**

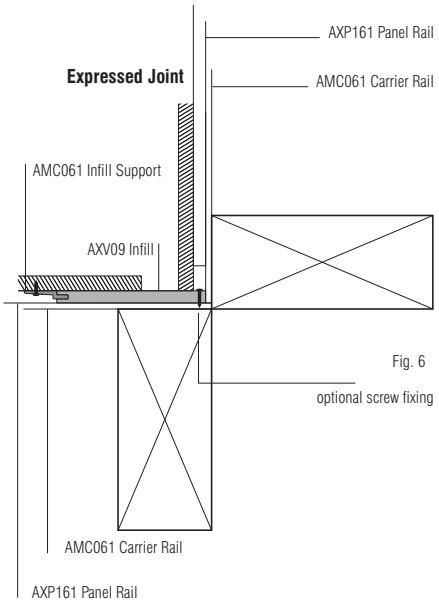



Fig. 6

optional screw fixing

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

# **Au.diMount** XJ1 installation 13.1.3

**XJ1 System – Installation Procedure**

1 Lay panel face down ensuring that the face of the panel is suitably protected.

2 Measure 50mm in from either vertical edge of the panel and mark with a continuous line. Cut AXP161 panel rails to suit. (refer fig.7)

3 *Note: Atkar panels are supplied complete with AXP161 channels fitted – this step not normally required.*

Screw AXP161 panel rails to the back of the panel @ 300mm maximum screw spacings. [1]
Locate these rails at intervals appropriate to panel rigidity (maximum recommended centres – 1m). Accuracy is important.
The top edge of AXP161 should be 10mm proud of the top edge of the panel (fig.9), except where panel is abutting ceiling (fig.2 and fig.10).
The bottom AXP161 should be approximately 70mm from the bottom edge of the panel.

4a If AMC061 carrier rail centres are to be greater than 400mm attach 100mm long AMC061 pieces mid-span to rear of panel along 50mm line 1 side only (marked at step 2), to support AXV09 vertical infill, refer [2]

b Alternatively, if panels are to be continuous height (top to bottom), vertical infill strips may be screwed to panel rear along 50mm line.

5 Screw fix continuous lengths of AMC061 carrier rail to support wall structure at centres to match panel rails, ensuring accurate levels and spacings are maintained. (A layout jig is recommended to assist in accuracy of layout). [3]

6 Panel weight should be shared equally by all channels. In order to achieve this, all channels should be packed to accommodate installation discrepancies. Alternatively, one channel only may be packed and the clearance on the remaining channels can be taken up by injecting a short bead of construction adhesive at regular intervals into the recess at the top of the carrier rail.

7 Hang the panel in position on the wall, locating AXP161 onto the AMC061 carrier rail.

8 Unless AXV09 vertical infills have been screwed to the panel rear (step 4b), these should now be cut to the length of the total panel height and inserted between AMC061 carrier rail and the panel. [4]
Press fully home to locate edge rebate over AMC061 infil supports. [2]

9 Accurately measure at the top of the panel between the two AXV09 strips that are at the joints.

10 Cut AXH06 component to suit and carefully fit into the rear top edge of the panel. [5]

11 Adjoining panels are mounted in similar sequence.

Note 1. Where perforated acoustic panels are used with IAB (Integrated Acoustic Backing), a minimum 50mm air space must be maintained behind the panels.

Note 2. Successful installation relies on accurate fixing of battens to both wall and panels. A jig is recommended to assist in uniformity and speed of installation.

Note 3. Permanent panel installation can be achieved by injecting construction adhesive onto carrier rail prior to assembly.

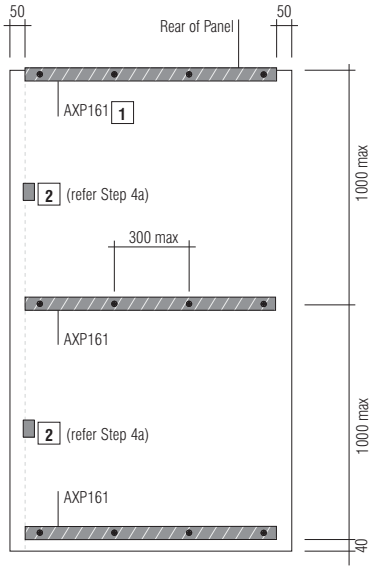



Fig. 7

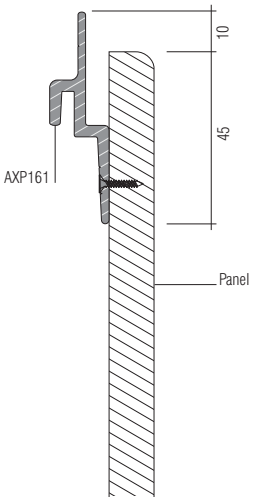



Fig. 9
AXP161 location at horizontal joint

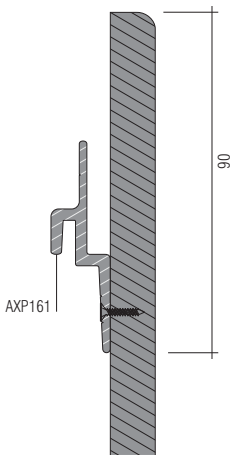
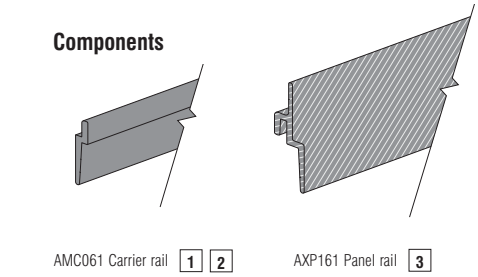


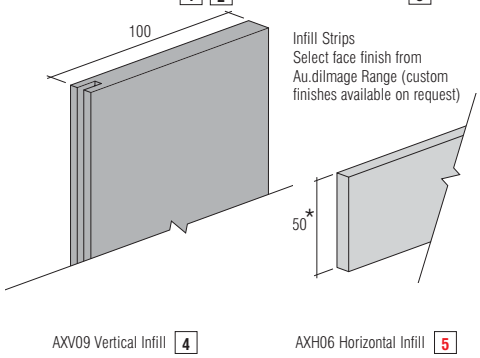

Fig. 10
AXP161 location for ceiling abuttment

**Components**



AMC061 Carrier rail [1] [2]

AXP161 Panel rail [3]




Infill Strips
Select face finish from Au.dilmage Range (custom finishes available on request)

AXV09 Vertical Infill [4]

AXH06 Horizontal Infill [5]

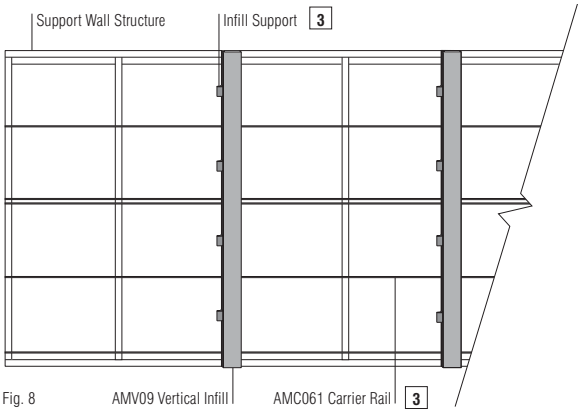



Fig. 8

**Typical wall framing layout** Panel shown removed for clarity