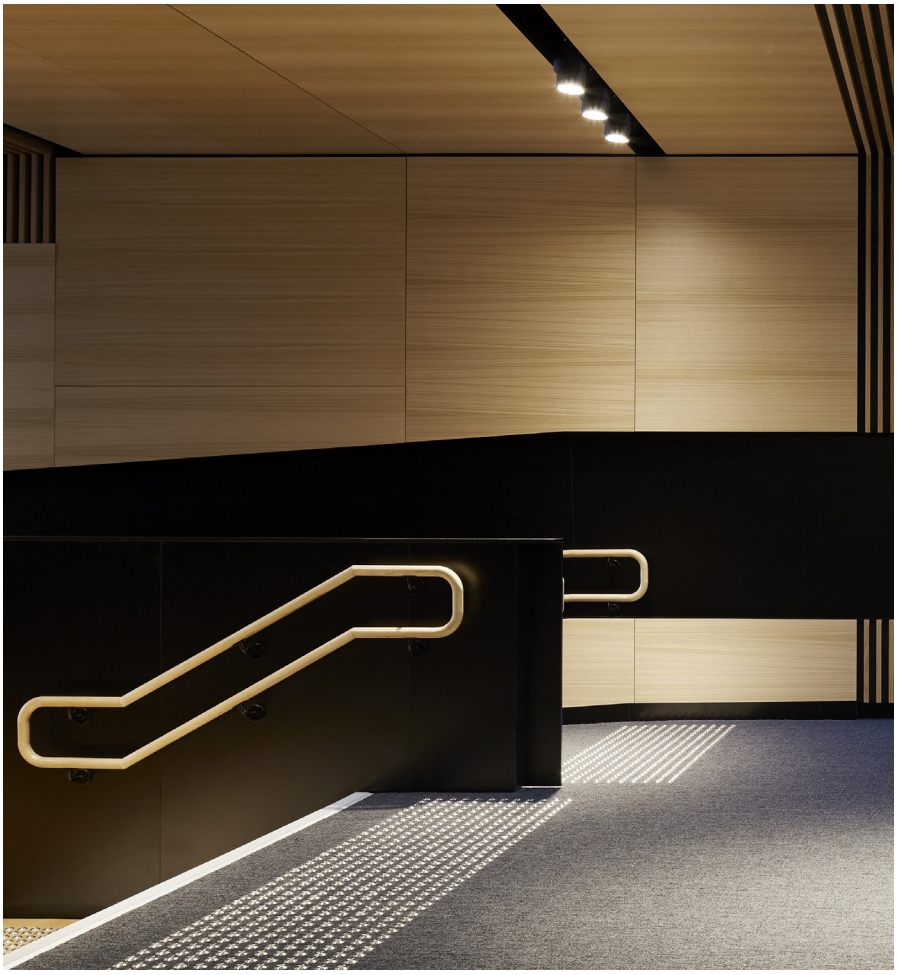
Au.diMount BJ2 Fixing System

Installation Instructions

atkar acoustics design innovation

System Description

The Au.diMount BJ2 System allows for the concealed installation of timber wall panels. The system is mainly composed of two carrier/panel rails providing a cost effective and concealed panel mounting option. BJ2 is specific for butt joints.



Features and Benefits

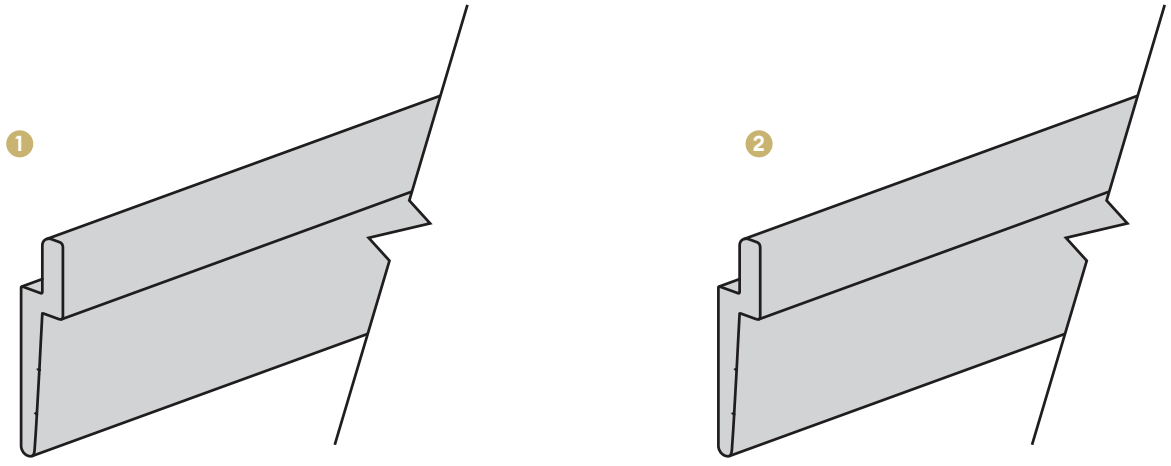
- Fully concealed fixing for uninterrupted appearance
- Easily demountable for maintenance and access to the plenum
- Cost effective
- Wide range of applications – suitable for perforated or solid panels

BJ2 System Applications

- Suitable for timber substrate wall panels
- Minimum panel thickness: 12mm
- Recommended for interior use panels with butt joint
- Suitable for curved and corner walls (consult Atkar for information).

System Components

1. Carrier Rail AMC061 (mounted on wall frame)
2. Panel Rail AMC061 (same component as above but mounted on panel as per Installation Instructions)



Installation Instructions

BJ2 System Schematic

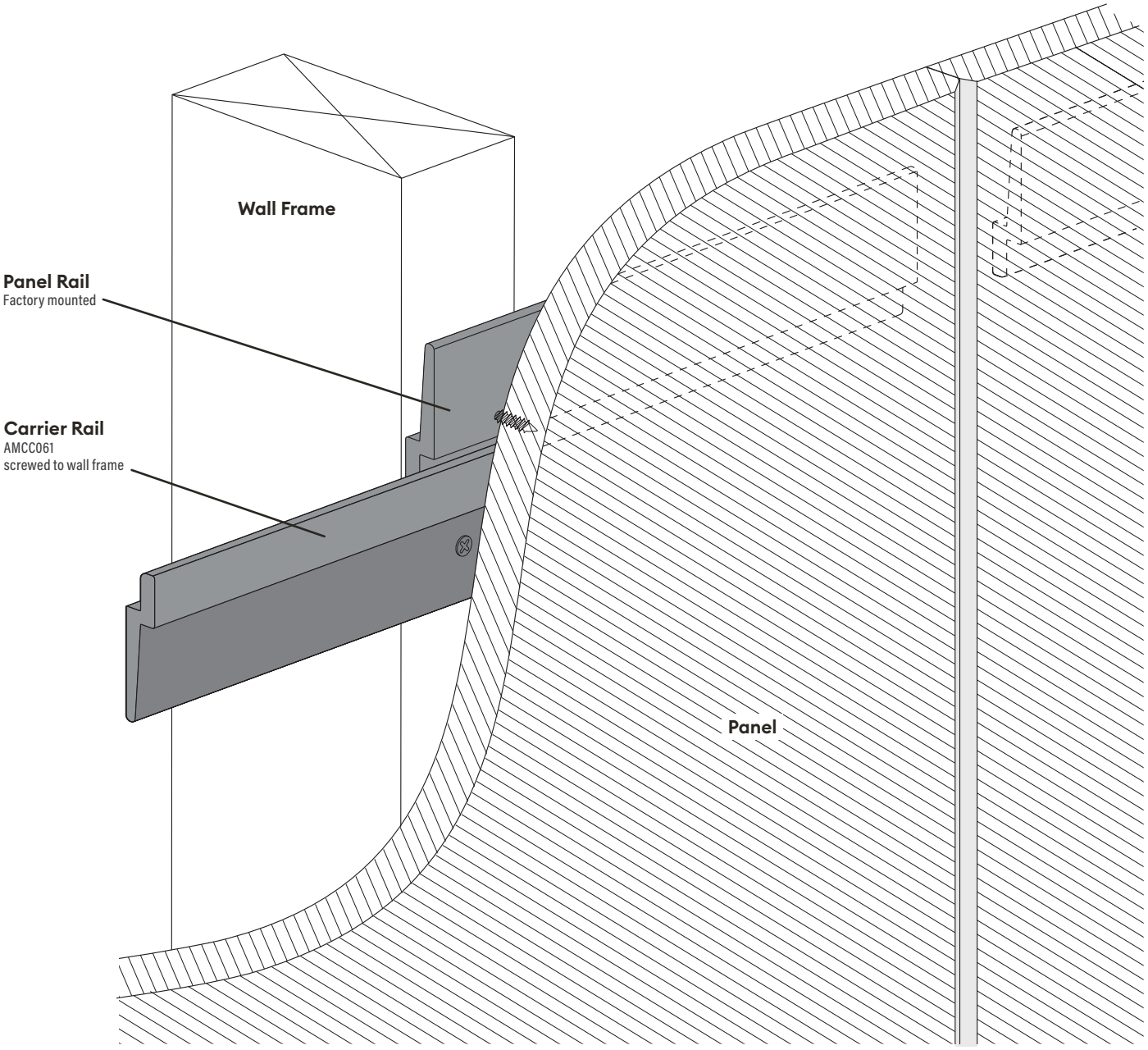


Fig. 1

Fixing Guide

The fixing method is of a general nature only and does not consider wind loads, expansion joints or other specific design requirements that should be separately analysed and provided by the specifier.

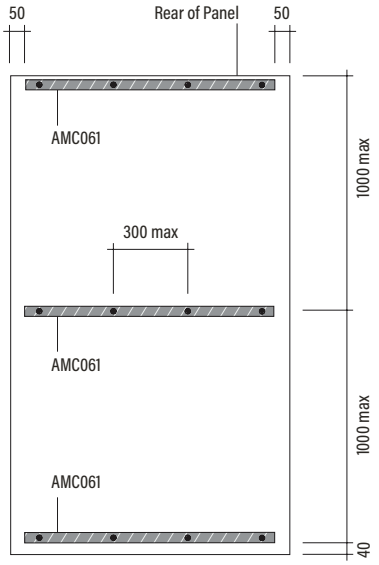


Fig. 2

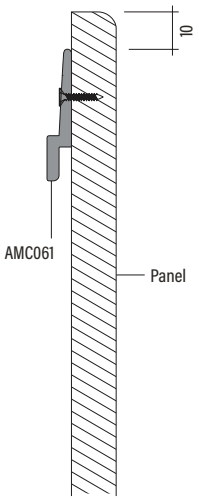


Fig. 3
AMC061 location at horizontal joint

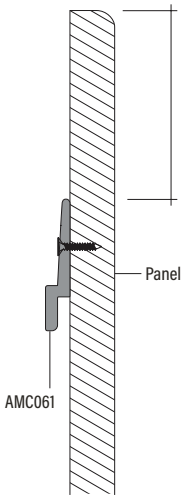


Fig. 4
AMC061 location for ceiling abuttment

Installation procedure

1. Panels are delivered with pre-mounted Panel Rails
2. Top Panel Rails are pre-mounted as per Fig. 3 on intermediate panels and Fig. 4 on panels abutting ceiling
3. Fix Carrier Rail AMC061 onto support wall structure, in position to match panel rails. It is recommended to use a layout jig to ensure accurate levels and spacing among rails are maintained.

   Panel weight should be equally shared by all channels.
   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 into the recess at the top of the Carrier Rail.
4. Position panel on the wall and ensure that Panel Rails fully engages with Carrier Rails.
5. Mount adjoining panels according to sequence 3 to 4, making minor adjustments where necessary to accommodate any tolerance discrepancies
6. When all panels have been installed, check adjoining panel flushness and joints alignment; make adjustments when necessary.

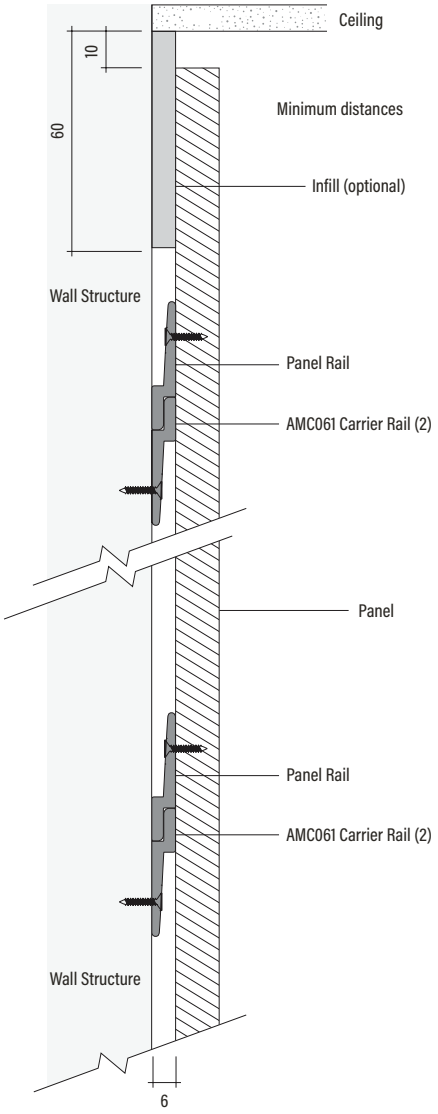


Fig. 5

Note:

- Where perforated acoustic panels are used with SAB (Sonus Acoustic Backing), a minimum 90mm air space must be maintained behind the panel.
- Successful installation relies on accurate fixing of battens to both wall and panel. It is recommended to use a jig as well as a laser level to assist in uniformity and speed of installation.
- Permanent panel installation can be achieved by injecting construction adhesive onto carrier rail prior to assembly.

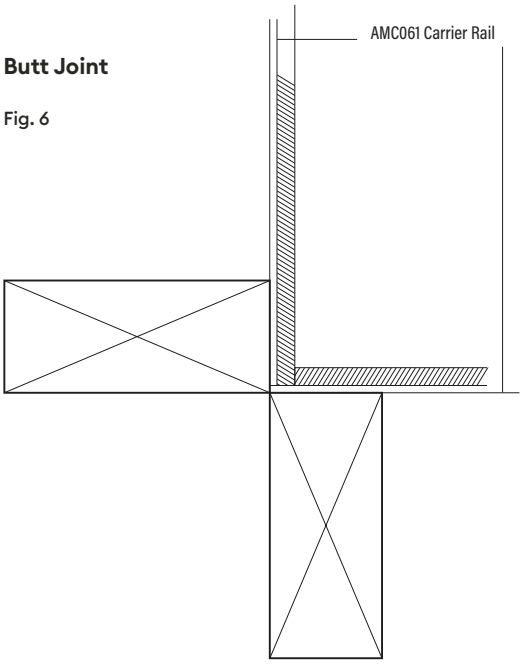
Corner Installation

BJ2 system allows to use a variety of techniques for constructing internal and external corners.
See below configurations suitable for most common applications.

Internal Corner Details

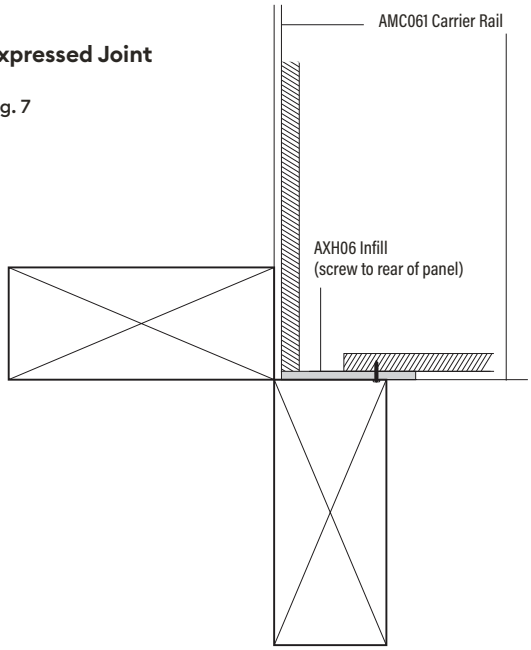
Butt Joint

Fig. 6



Expressed Joint

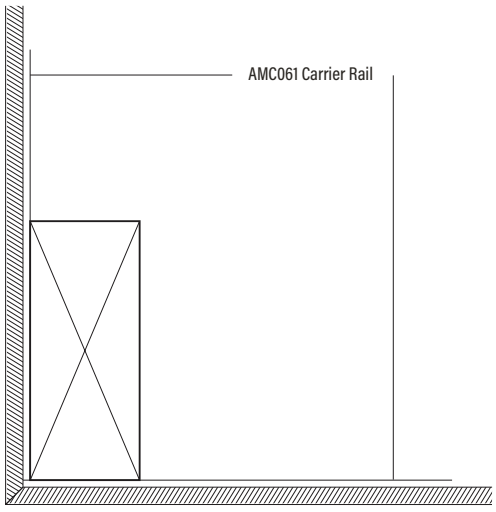
Fig. 7



External Corner Details

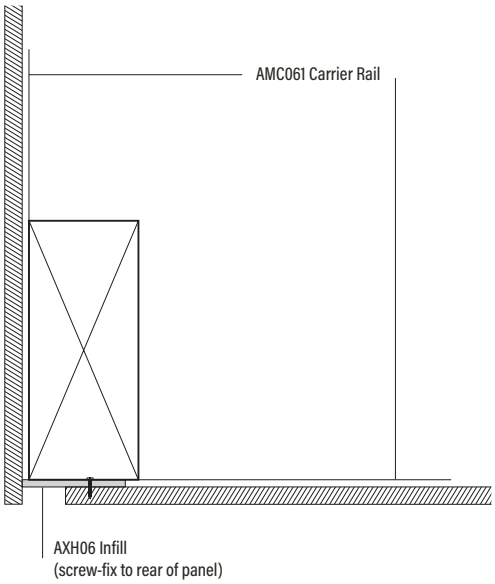
Mitred Joint

Fig. 8



Expressed Joint

Fig. 9



Demounting Instructions

It is not recommended that panels are demounted and re-installed by unqualified personnel. Any lack of system knowledge could lead to a system failure.

1. To demount a panel, lift panel up to disengage Panel Rails from Carrier Rail and tilt batten out, then the top when clear of all rails
2. To re-install a panel, engage Panel Rail with Carrier Rail.

Compliance with AS Standards

If seismic compliance is required, please contact Atkar on 1300 333 833 or email enquiries@atkar.com.au