

ECHOPANEL®

PRECISION CUT PANELS

INSTALLATION GUIDE

This guide is presented in good faith to assist in the installation of EchoPanel® Precision Cut panels. It is not intended as an all-encompassing guide, and a professional qualified installer is recommended for optimum results.

Woven Image accepts no responsibility for installation actions taken or not taken. Please refer to Woven Image Pty Ltd. Terms of Trade.

This installation guide contains only recommendations; if you have any questions about installation techniques please contact your distributor or Woven Image sales representative.

Please note:

- Allow for thickness variations due to manufacturing tolerances and any minimal unevenness of substrate.
- Exact colour matching cannot be guaranteed between batches.
- Fibre mix and surface texture may vary.
- Please check that all panels are the correct design, colour, shape and batch number (if requested).
- EchoPanel® has an inherent grain direction. Stickers with the Woven Image logo are placed in the same corner of each plain panel to assist with correct panel orientation.
- No claims will be accepted after panels are installed.
- Ensure appropriate work safety regulations are met, e.g. protective clothing, eyewear and respiratory equipment.

HANDLING & STORAGE

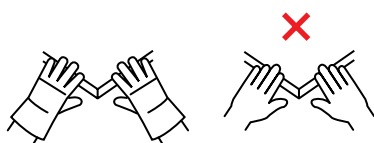
Carry boxes and panels **upright**



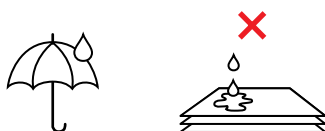
Store boxes and panels **flat**



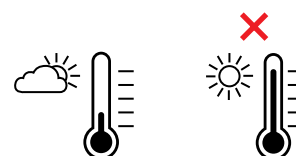
Wear **gloves** for handling **light colours**



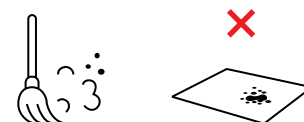
Keep **dry** and **avoid humidity**



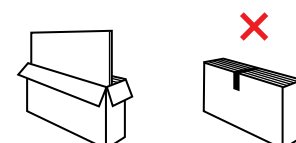
Store in a **cool dry** place, with **no direct sun**.
Avoid 65°C or greater



Keep all **surfaces clean** for storage and fabrication



Upon delivery, **inspect** all goods for order **correctness** and **damage**



Protect the **edges**



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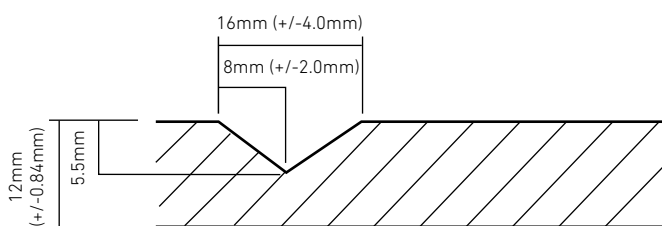
PRECISION CUT PANELS

INSTALLATION GUIDE

INSTALLATION

This guide is for a direct fix method with butt joining side by side.

EchoPanel® is a non-woven product that can vary by up to 7% in thickness which is a natural characteristic of this material. Vee Groove cuts can therefore vary in depth from panel to panel.

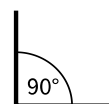


Some grooves may be wider or narrower than others. It is recommended, for continuous application of panels side by side on a wall, these grooves must be assessed by a qualified installer and grouped by groove size and depth for accurate pattern matching.

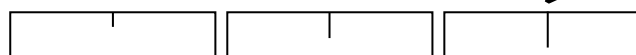
Cutting/trimming by machine

- EchoPanel® can be cut on a CNC machine or using a plunge cut circular saw or bandsaw with wave toothing blade and a metal guide.
- Do not use a serrated blade with side-set teeth.
- Trial cut on a scrap piece first, as saws will behave differently on sheets of different thickness and density.
- Feed against the rotation of the blade or tool using a slow, consistent feed rate to prevent overheating.
- A fast feed can cause frictional heat which can melt or fuse the heated contact points with a saw blade.
- Secure sheet whilst cutting to minimise vibration.

Cutting/trimming by hand



- Ensure blade is inserted into panel at 90° to the surface to ensure square edges and best results for butt joins.
- Ensure the blade is sharp and not too long or flexible to avoid skew cuts.
- Replace the blade often to maintain sharpness.



- For best results, use multiple cuts and light pressure.
- Keep flat and use a backing mat.
- Use a secure straight edge for straight cuts.

Fixing & adhesives

- EchoPanel® can be direct fixed with a commercial adhesive. It is the installer's responsibility to ensure the adhesive used is appropriate for the product and substrate it is being fixed to.
- Prepare the site with a clean drop sheet and place the panels face side down on the floor.
- Ensure the wall or ceiling surface is clean and free of dust or imperfections that could prevent adhesion. Industry standard of drywall Level 3 is recommended.
- Panels may easily flex. To avoid creasing, ensure they are well supported by a minimum of two people when

positioning vertically to the substrate. Although there is no set formula for fixing spans, it is reasonable to expect that fixing between 450mm to 600mm centres both vertically and horizontally would cause the panel to remain rigid in most circumstances.

- Adhesives should be used as per the manufacturer's instructions, and it is advised to perform a test piece prior to full installation.
- When using adhesives, position the panel to the substrate and apply even gentle pressure. Ensure to use minimum pressure at the edges to avoid adhesives showing.

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PRECISION CUT PANELS

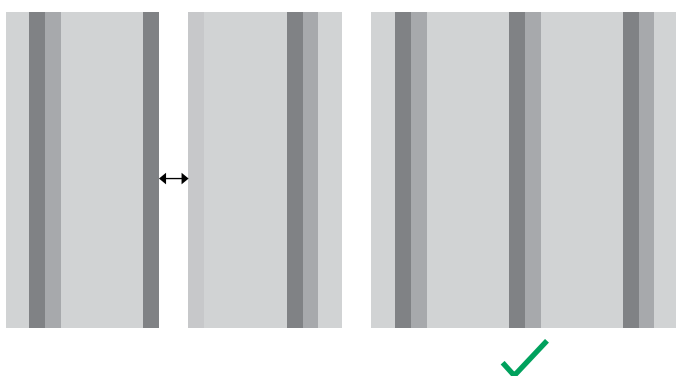
INSTALLATION GUIDE

PATTERN MATCHING

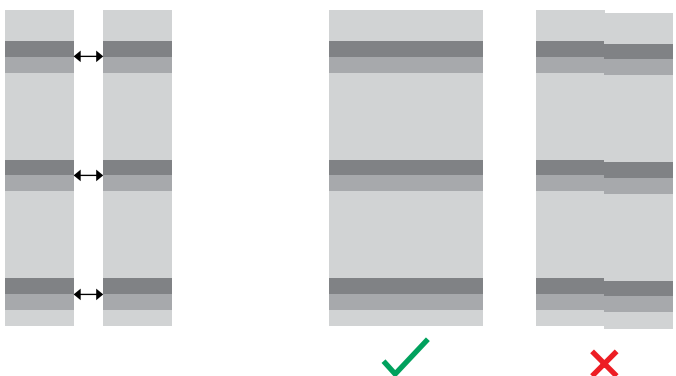
Align from the bottom valley of the groove cut as shown. This will assist to alleviate any minor discrepancies in the panel and vee groove tolerances resulting in a clean visual line.

Do not align from the outside edges of the vee groove cut. For more information on pattern layout and vee groove dimensions for each cut design, please reference the spec sheets on our website.

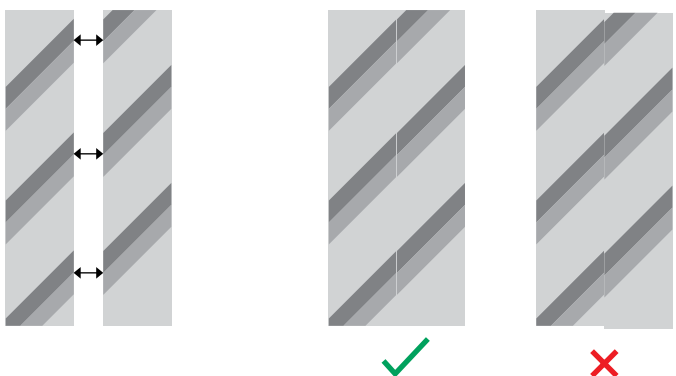
Longitude, Empire, Ohm, Palace, Align, Current, Isle, Mosaic, Orb and Parquet panels have a bevelled edge.



Latitude



Meridian



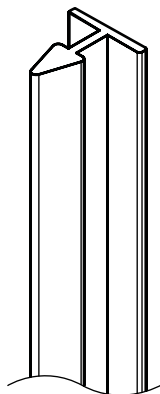
ECHOPANEL® PRECISION CUT PANELS

INSTALLATION GUIDE

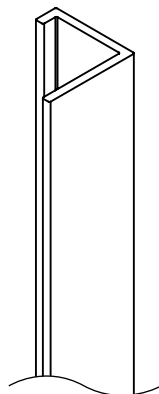
TRIM PROFILES

Woven Image trim profiles come in 3000mm lengths, these can be easily trimmed on site using an appropriate drop saw or hack saw to match the height of the panel install.

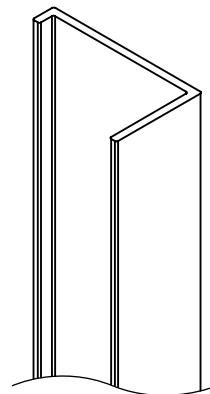
Note: T-joiner is not compatible with bevelled edge (see PATTERN MATCHING).



T-Joiner



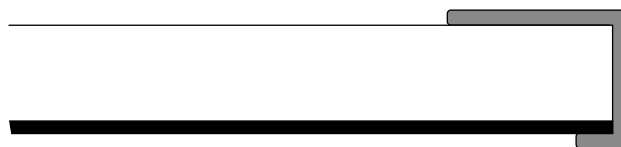
12mm edge trim



24mm edge trim

EDGE TRIM

The 12mm or 24mm edge trim is used to cover the edges of EchoPanel® Precision Cut panels at the end of a wall. Prior to fixing the panel to the wall, friction fit to the trim onto the edge of the panel. Proceed with install of the panel as per the instructions on the previous pages.



Optional: For added security, a small bead of adhesive may be applied inside the trim channel.

Note: Insert packer/shim for Edge trim 24mm to compensate for any gap.

T-Joiner

The T-Joiner can be easily installed between two panels that have been direct fixed to the wall. After ensuring the joiner runs the full length of the join, simply press the piece into the gap between the panels. The shape of the joiner will ensure a snug friction fit.

