EMBOSSED PANELS

INSTALLATION GUIDE

For direct fix to walls & ceilings

WOVEN IMAGE®
SAINT-GOBAIN

This guide is presented in good faith to assist in the installation of Embossed 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.

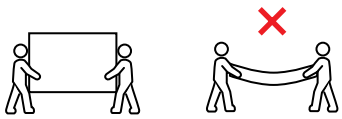
This installation guide contains only recommendations; if you have any questions about installation techniques please contact your distributor or Woven Image sales representative.

Please note:

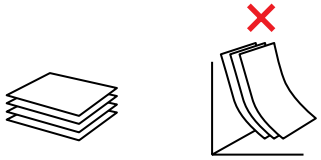
- Allow for thickness variations due to manufacturing tolerances and any minimal unevenness of substrate.
- Exact colour matching cannot be guaranteed between batches.
- Fibre mix and surface texture may vary.
- Please check that all panels are the correct design, colour, shape and batch number (if requested).
- Stickers with the Woven Image logo are placed in the same corner of each 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

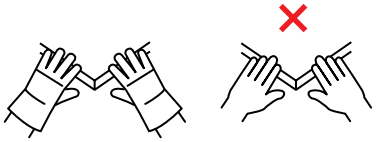
Carry boxes and panels **upright**



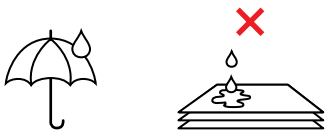
Store boxes and panels **flat**



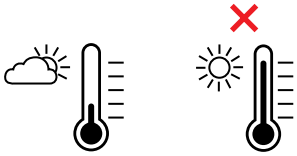
Wear **gloves** for handling **light colours**



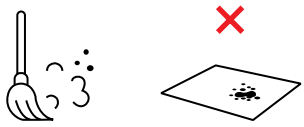
Keep **dry** and **avoid humidity**



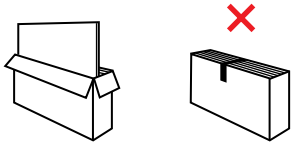
Store in a **cool dry** place, with **no direct sun.** **Avoid 65°C** or **greater**



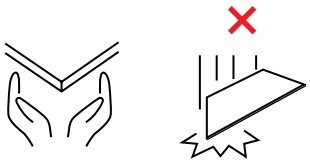
Keep all **surfaces clean** for storage and fabrication



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



Protect the **edges**



EMBOSSED PANELS

INSTALLATION GUIDE

For direct fix to walls & ceilings

WOVEN IMAGE®
SAINT-GOBAIN

INSTALLATION

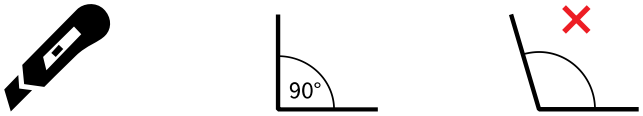
This guide is for the direct fix installation of Embossed panels to plasterboard wall and ceiling substrates using butt joining side by side.

Gem, Ion, Zen, Pico, Umi and Nalu are non-woven products that can vary by up to 7% in thickness which is a natural characteristic of this material. The formed shapes can therefore vary in depth from panel to panel.

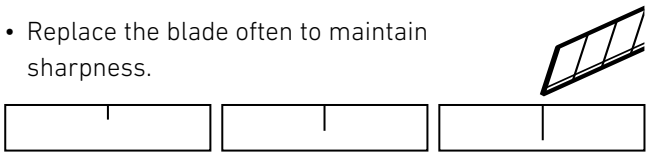
Cutting/trimming by machine

- Embossed panels can be cut on a CNC machine or using a plunge cut circular saw or band saw 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.

Direct fixing with adhesive

GENERAL NOTES

1. **Product:** Woven Image Embossed panels.
2. **Stock panel size:** 2800mm x 1130mm
3. Ensure the substrate is flat, dry, stable, clean, and free of dust, grease, loose material, or other contaminants that may affect adhesion.
4. **Adhesive to be used:** Olmurtech TEC7 Adhesive. Ensure all adhesive beads maintain a consistant 6mm diameter throughout application.
5. For ceiling installation
   - Apply continuous 6mm TEC7 Adhesive beads 50mm from the panel edges.
   - Maintain a gap of 50mm at each corner between the perimeter beads to ensure the adhesive beads do not intersect, merge, or come into contact with adjacent beads.
   - Terminate all internal adhesive beads 50mm from the perimeter adhesive bead at each end of the panel.
   - For portrait installation, apply the internal adhesive beads equally spaced with a maximum of 300mm centres.
   - For portrait installation, ensure the two outermost internal adhesive beads terminate 100mm from the perimeter adhesive bead at each end of the panel.
   - For horizontal installation, apply the internal adhesive beads equally spaced with a maximum of 300mm centres.
   - For horizontal installation, ensure all internal adhesive beads terminate 50mm from the perimeter adhesive bead.
   - Position the Woven Image Embossed panel within 5 minutes of adhesive application.
   - Apply firm, even pressure directly over each adhesive bead, starting at the centre of the panel and working outwards.
   - Ensure all adhesive beads achieve full contact with the ceiling surface along their entire length.
   - Verify the panel is fully bonded, aligned, and free from gaps or lifting.
   - Allow 24 hrs for the adhesive to cure.

EMBOSSED PANELS

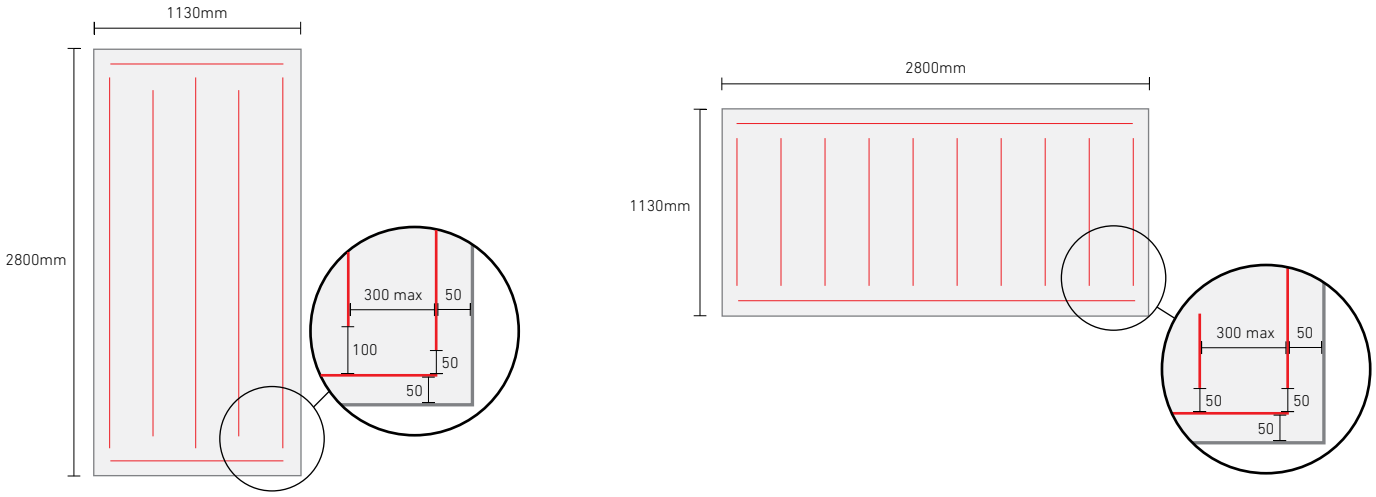
INSTALLATION GUIDE

For direct fix to walls & ceilings

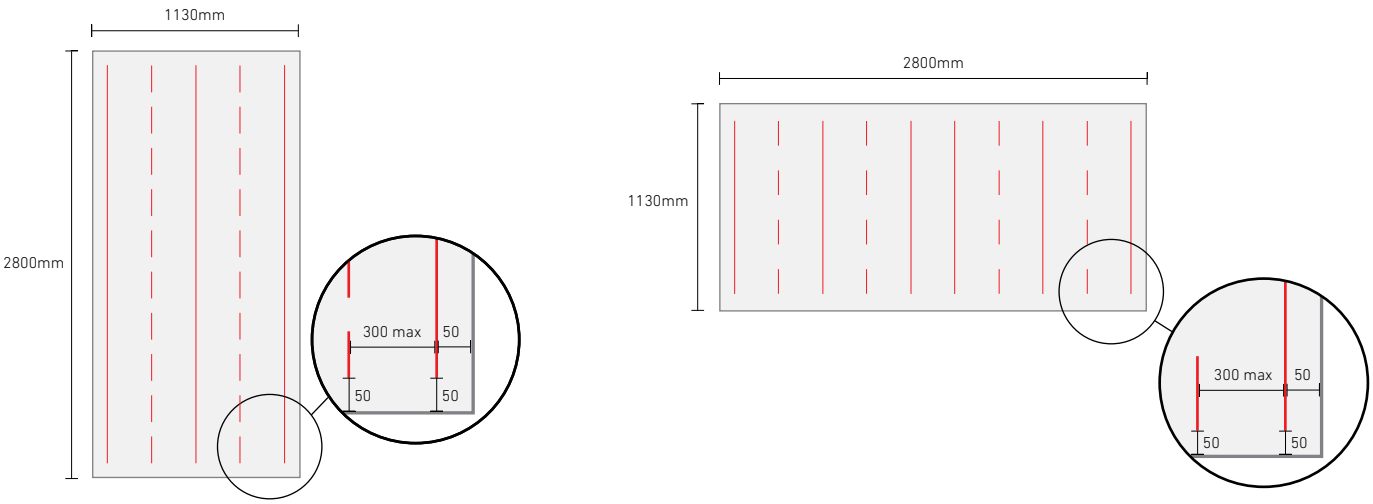
6. For wall installation

- Apply continuous 6mm of TEC7 Adhesive beads at 50mm from the panel edges.
- Terminate all internal adhesive beads 50mm from the perimeter adhesive bead at each end of the panel.
- For portrait installation, apply the internal adhesive beads equally spaced with a maximum of 300mm centres.
- Install the internal adhesive beads as discontinuous beads, consisting of 50mm edge distance adhesive lengths separated by 100mm gaps. The discontinuous bead pattern must finish 50mm from the panel edge.
- For horizontal installation, apply the internal adhesive beads at a maximum of 300mm centres.
- For horizontal installation, ensure all internal adhesive beads terminate 50mm from the perimeter adhesive bead.
- Position the Woven Image Embossed panel within 5 minutes of adhesive application.
- Apply firm, even pressure directly over each adhesive bead, starting at the centre of the panel and working outwards.
- Ensure all adhesive beads achieve full contact with the wall surface along their entire length.
- Verify that the panel is fully bonded, correctly aligned, and free from gaps or lifting.

Embossed panel ceiling installation using TEC7 adhesive



Embossed panel wall installation using TEC7 adhesive



For product specifications please visit wovenimage.com

EMBOSSED PANELS

INSTALLATION GUIDE

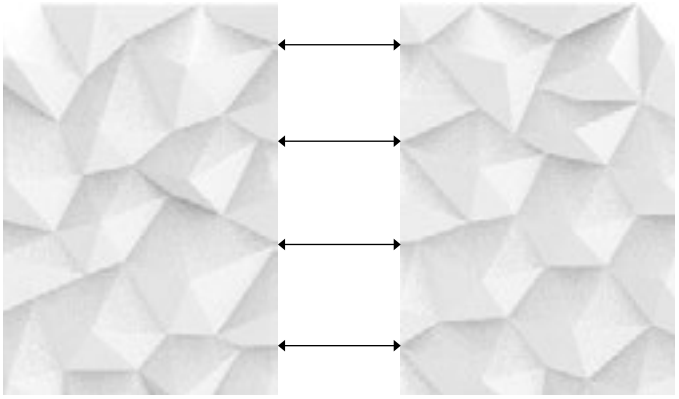
For direct fix to walls & ceilings

WOVEN IMAGE®
SAINT-GOBAIN

PATTERN MATCHING

- When working with a corner wall, it is recommended to apply from the corner outwards to maintain a consistent pattern.
- To assist in accurate pattern matching on a continuous wall, Ion and Gem have been trimmed on all four edges with a straight blade (see diagrams below). Zen and Pico have been trimmed on all 4 edges with a unique 5° bevel (see diagrams on next page).
- When butting panels together, ensure the peaks and valleys in the design meet as per the diagrams shown.
- Embossed panel patterns repeat on all four sides allowing for side by side and double height applications.

ION



When butting panels together, ensure the peaks and valleys in the design meet.

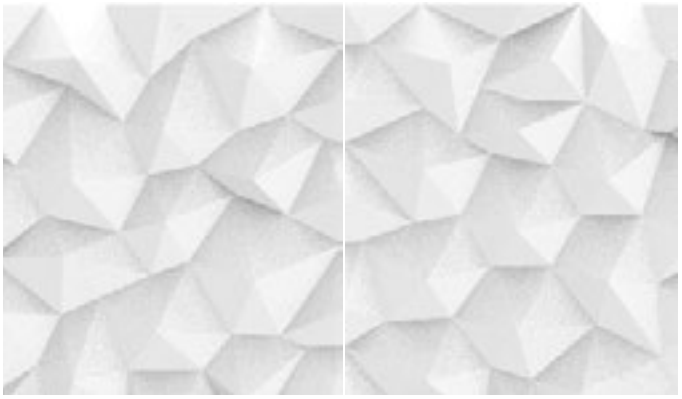
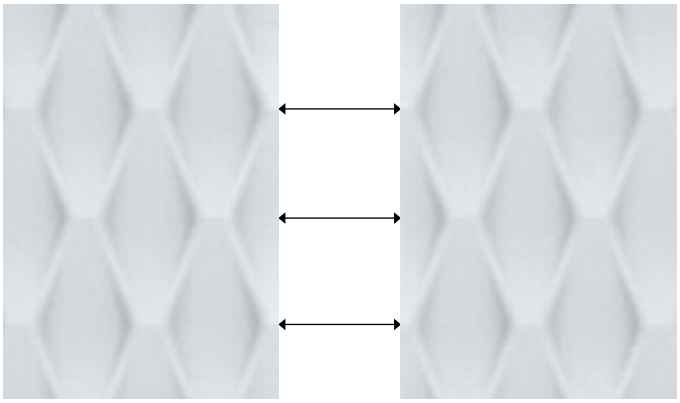




Diagram shows pattern repeat join of four panels.

GEM



When butting panels together, ensure the peaks and valleys in the design meet.



For product specifications please visit wovenimage.com

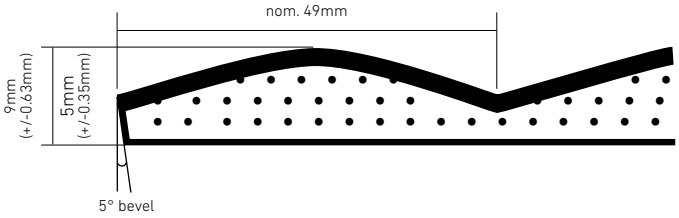
EMBOSSED PANELS

INSTALLATION GUIDE

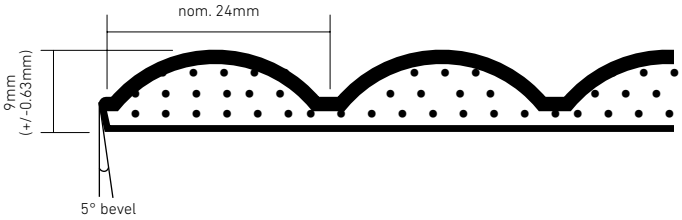
For direct fix to walls & ceilings

WOVEN IMAGE®
SAINT-GOBAIN

ZEN



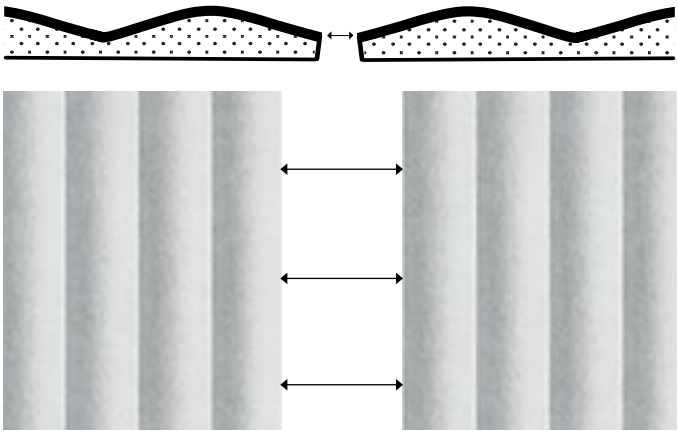
PICO

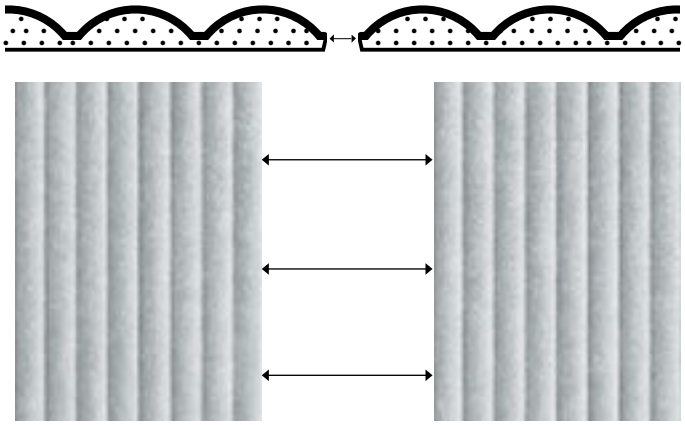


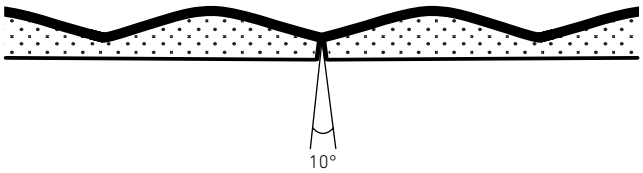
Panel alignment

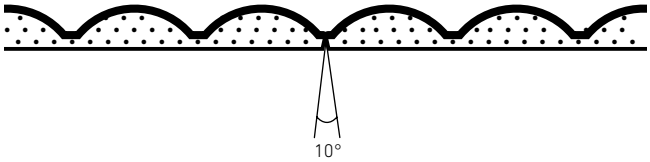
- Zen, Pico, Umi and Nalu have a bevelled edge on all four sides of the panel to assist with butt joining.

- Align from the bottom of the valley as shown until the surface of the panels meet, a small unseen void will be present as shown below.

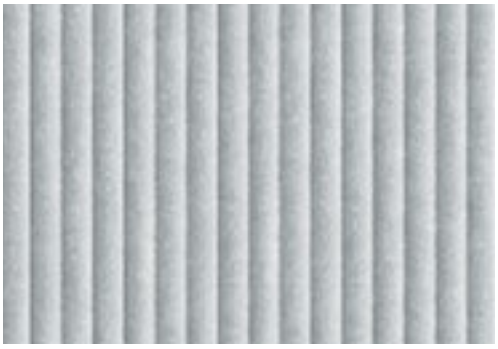












Double height installation

- For double height installations, trim the top and bottom of the panels with a straight blade at 90° to the panel to remove the bevel edge. Removing this slight scalloped effect from the ends will result in a smoother join.

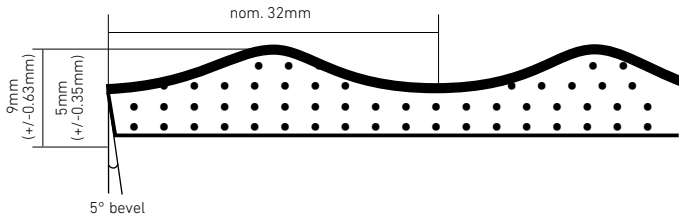
EMBOSSED PANELS

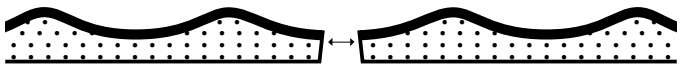
INSTALLATION GUIDE

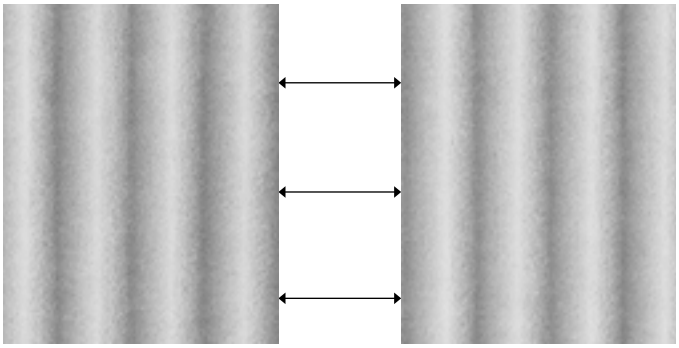
For direct fix to walls & ceilings

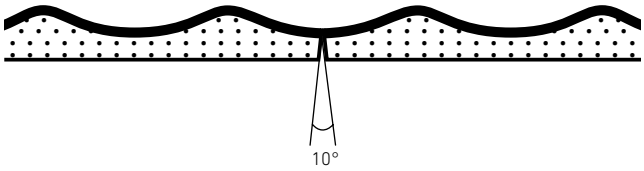
WOVEN IMAGE®
SAINT-GOBAIN

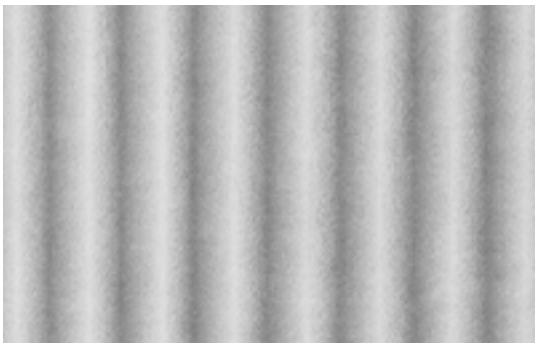
UMI



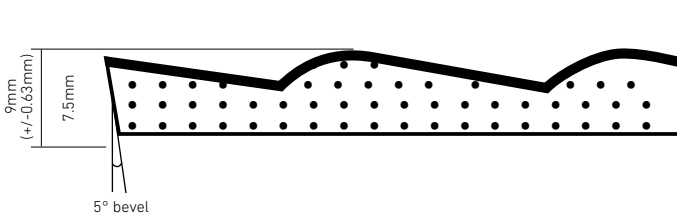


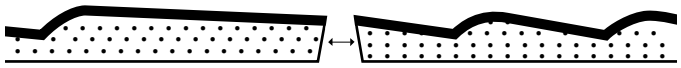


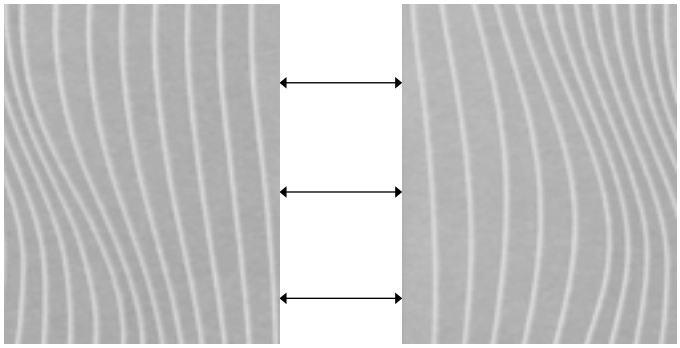


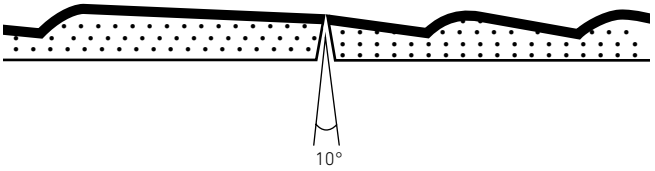


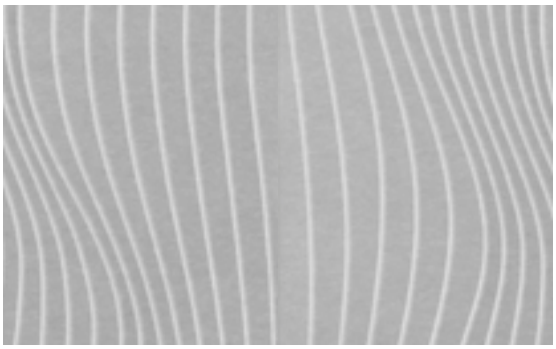
NALU











Double height installation

- For double height installations, trim the top and bottom of the panels with a straight blade at 90° to the panel to remove the bevel edge. Removing this slight scalloped effect from the ends will result in a smoother join.

EMBOSSED PANELS

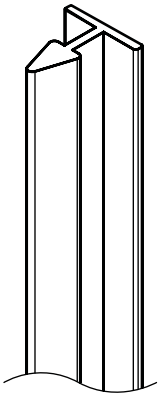
INSTALLATION GUIDE

For direct fix to walls & ceilings

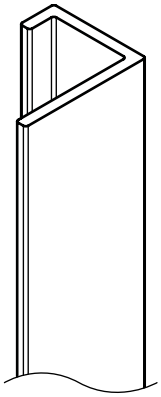
WOVEN IMAGE®
SAINT-GOBAIN

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.



7mm T-joiner



9mm Edge trim

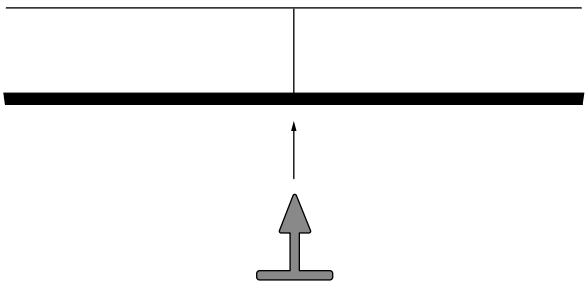
9mm EDGE TRIM

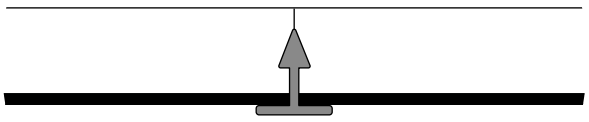
The 9mm Edge trim is used to cover the edges of embossed panels at the end of a wall. Prior to fixing the panel to the wall, friction fit to the trim onto the edge of the panel. Proceed with installation of the panel as per the instructions on the previous pages.



T-JOINER

The 7mm 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.





EMBOSSED PANELS

INSTALLATION GUIDE

For direct fix to walls & ceilings

WOVEN IMAGE®
SAINT-GOBAIN

CURVED INSTALLATION

Embossed panels can be installed on curved surfaces using the standard installation techniques outlined in this guide, subject to radius limitations. The table shown below outlines the achievable horizontal radius of a panel for any given installation.

For a smaller radius or for more information regarding curved installations, contact your local Woven Image representative.

Embossed Panel	Curve direction	Radius Achievable
Zen	Concave	450
	Convex	600
Pico	Concave	450
	Convex	550
Nalu	Concave	740
	Convex	600
Umi	Concave	800
	Convex	600
Gem	Concave	900
	Convex	800
Ion	Concave	900
	Convex	800