

EnduraPanel

Bringing **colour** to life

Installation to Dry Areas



General Installation Guidelines

EnduraPanel is simple to install using construction adhesive and, if desired, double-sided tape. It can be fixed directly to an existing sealed or unsealed wall lining, such as plaster board. Always follow the adhesive manufacturer's instructions.

EnduraPanel is easy to clean, impervious to moisture and will not support mould growth. Note: throughout this brochure "wet" and "dry" areas will be referred to. A wet area is defined as any area within a building supplied with water e.g. bathrooms, ensuites, toilets, kitchens, shower rooms, laundries and changing rooms; in fact any area where water services are supplied.

Getting started

In planning, remember not all wall/ floor intersections are square, and hardly ever in a renovation.

For aesthetic purposes, plan for part panels to be placed at the interior corners of the room.

Complete your plan for joint sequence layout. Try to avoid terminating with two internal jointers. Instead, try to include an external corner.

Note: Panels are usually installed vertically on walls, but can be fixed horizontally in a dry area for contrast or to create a feature. If panels are to be laid horizontally, ensure continuous support is provided behind all joints as the vertical loading is increased. It is never recommended to install panels horizontally in a wet application.

Appropriate Tools for site installation



Lined Walls

Walls lined with plasterboard or similar are ideal for direct fixing provided the surface is flat, sound, dust-free, properly fixed and stopped to a level-3 minimum finish.

Concrete and Masonry Walls

Ensure concrete/masonry wall is dry and will remain so. Fully cured concrete/masonry can be suitable to fix directly under ideal conditions, however it is recommended to seal the surface with an approved sealant first to ensure permanent adhesion.

Renovations

If using EnduraPanel to cover existing walls, previously painted surfaces must be checked for integrity and remedial work carried out where necessary. The surface should then be cleaned and scuffed with coarse sandpaper to ensure a good key for adhesion.

Old shower panels should be removed and wall liners and framing should be inspected for integrity. Replace any damaged items and line with a wet-area grade fibre-cement board before installing EnduraPanel. Follow guidelines in 'Shower Lining Detail' technical specification.

Removing Protective Film

EnduraPanel is supplied with protective film on both sides:

COATED SIDE has a plastic film design for protection of the coated surface. Remove this film when all machining operations are complete and the panel is ready to be adhered to the wall/surface.

EXPOSED SIDE has a clear plastic film designed for protection against scratches. Peel back 25mm from the edge before inserting into a joining system. Completely remove the film only at the last stage by gently peeling down the sheet surface – never at right angles to the sheet as this may pull the sheet away from the installed wall/ surface (see page 13).

Never attempt to cut the protective films with a knife as this may scratch the surface.

Permanent Fixing to Dry areas

CONSTRUCTION ADHESIVE

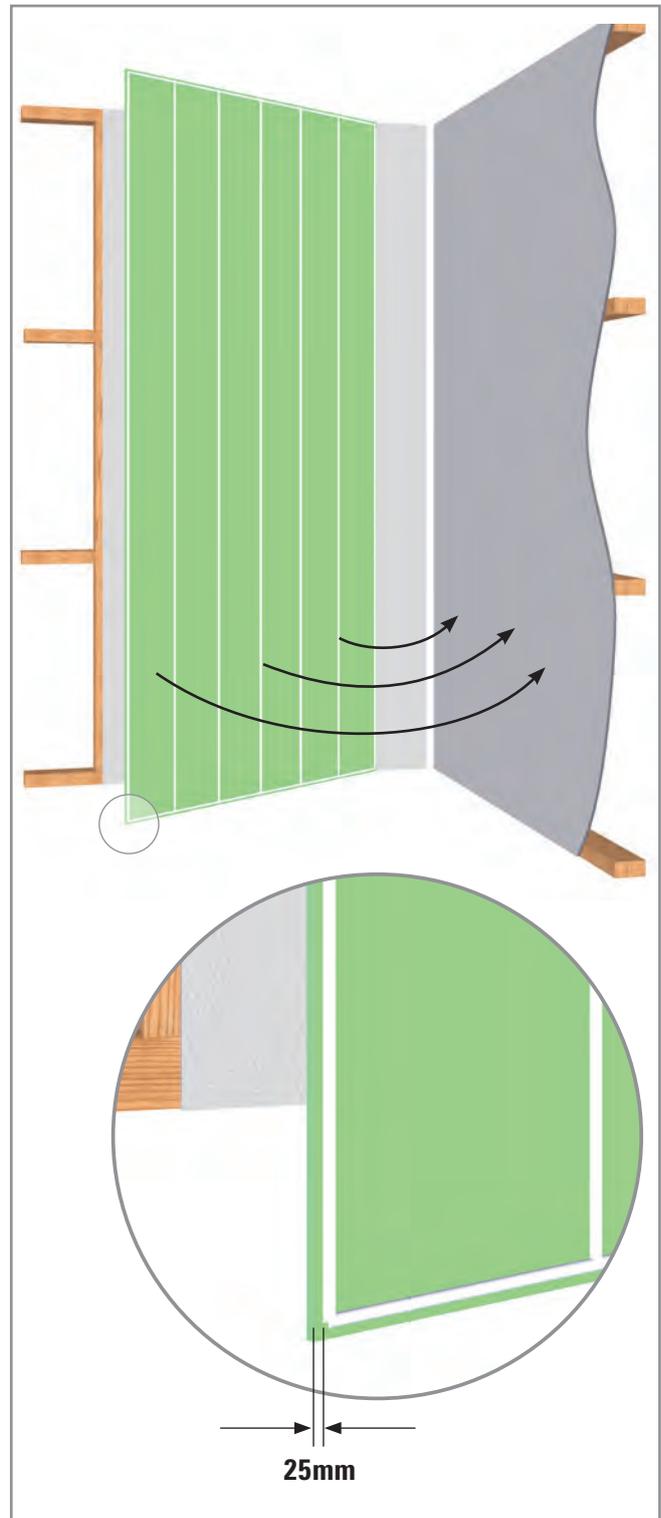
INSTRUCTIONS

- Apply full-length beads around perimeter of EnduraPanel staying approximately 25mm from the edge to allow for insertion into EnduraPanel joiners
- Apply full length beads at 200mm centres in a stripe pattern
- If installing into EnduraPanel jointing systems, insert into extrusion first
- Roll EnduraPanel onto the wall starting with one edge and smoothing the panel out in the direction of installation
- There is no need to apply excessive pressure – a firm hand is enough to spread out adhesive
- Clean up any adhesive that spills out the sides of the EnduraPanel

NOTES

- If installing EnduraPanel into wet areas, follow guidelines in 'Shower Lining Detail' technical specification
- If installing EnduraPanel using silicon joins, always use glazing industry silicon jointing standard practices
- Methods may vary between different adhesive products; always follow manufacturer's instructions

General installation see page 8.



Temporary Fixing to Dry areas

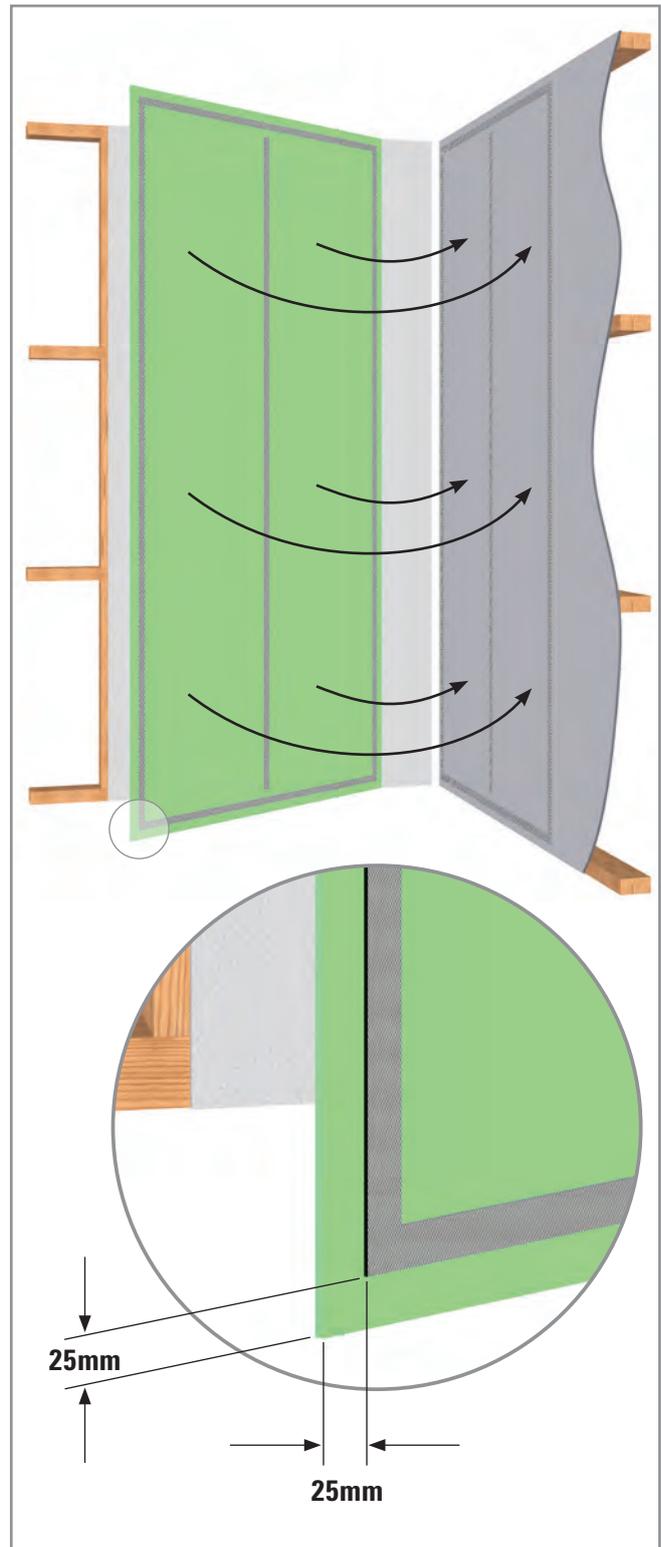
VELCRO TAPE

INSTRUCTIONS

- Apply full-length strips of velcro tape around perimeter of EnduraPanel, staying approximately 25mm from the edge to allow for insertion into EnduraPanel joiners
- Apply a full-length strip of velcro tape through the centre of EnduraPanel
- Apply mating tape onto the back of EnduraPanel
- Remove paper from velcro tape to expose the adhesive surface and install EnduraPanel onto the surface
- If installing into EnduraPanel joining systems, insert into extrusion first
- Roll EnduraPanel onto the wall, starting with one edge and smoothing the panel out in direction of installation

NOTES

- This method of installation is intended for temporary installation of EnduraPanel, or for removable panels into dry areas only, and is no long-term substitute for adhesive
- Methods may vary between different velcro or 'hook and loop' tape products. Always follow manufacturers instructions



Fixing of Cold Bend Panels

CONSTRUCTION ADHESIVE AND TAPE

INSTRUCTIONS

- Apply full-length strips of double-sided tape along outside edge perimeter of EnduraPanel, staying approximately 25mm from the edge to allow for insertion into EnduraPanel joiners if required
- Apply full-length beads of adhesive at 300mm centres in a grid pattern, keeping at least 25mm from double-sided tape and from the edges of EnduraPanel
- If installing into EnduraPanel joining systems, insert into extrusion first
- Roll EnduraPanel onto the curved surface starting at one end and smoothing the panel out in the direction of installation
- There is no need to apply excessive pressure – a firm hand is enough to spread out adhesive
- Clean up any adhesive that spills out the sides of the EnduraPanel

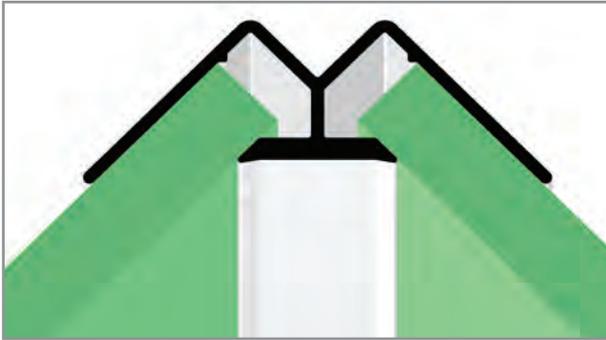
NOTES

- Great care must be exercised using double-sided tape as once stuck, it is virtually impossible to remove or re-use
- Methods may vary between different adhesive product, always follow manufacturers instructions



Jointing Systems

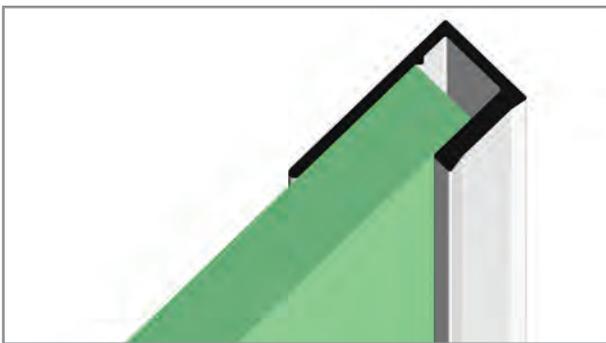
ENDURAPANEL STANDARD JOINERS



Internal Corner



External Corner



Edge Cap



Jointer

- Engineered extrusions allow for thermal expansion
- Colour matched aluminium extrusions (available soon)
- Available off the shelf
- Quick and easy to fit
- Easily cut to length and mitred on site
- Can be made waterproof with the application of silicon
- Can be fixed to wall with double-sided adhesive, or left floating
- Cost effective



General Installation using EnduraPanel Jointing Systems

EnduraPanel jointing systems are designed for use in dry and wet areas and should be used on fully lined walls e.g. plasterboard, fibre-cement board or masonry walls.

The principle is to use internal corners as a fixed starting point. The first sheet is inserted into the internal corner and adhered to the wall. The next jointer is then installed over the trailing edge of the first sheet. The next sheet's leading edge is then installed into the trailing slot of the extrusion and so on.

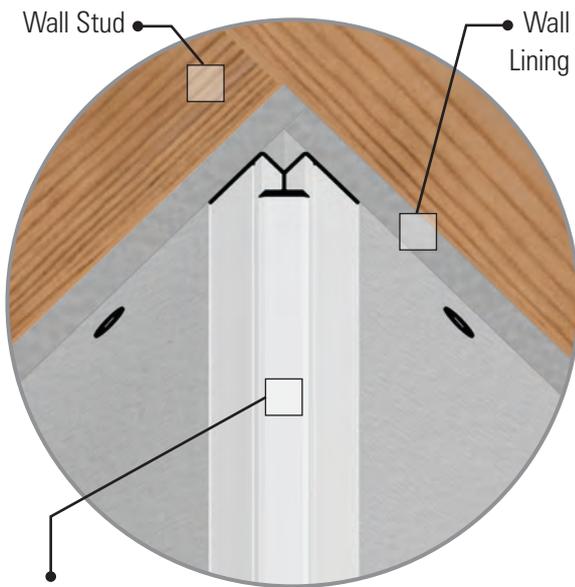
Each jointer may be either fixed to the wall or left 'floating'.

In a full room fit-out, at the point where the last panel meets the first installed jointer extrusion, EnduraPanel will need to be installed into two extrusions simultaneously. This requires planning ahead to avoid terminating with two internal corners. Try to plan the installation sequence to terminate with an external corner as this is by far the easiest choice.

The following 10 diagrams illustrate general installation procedures for the EnduraPanel jointing systems.

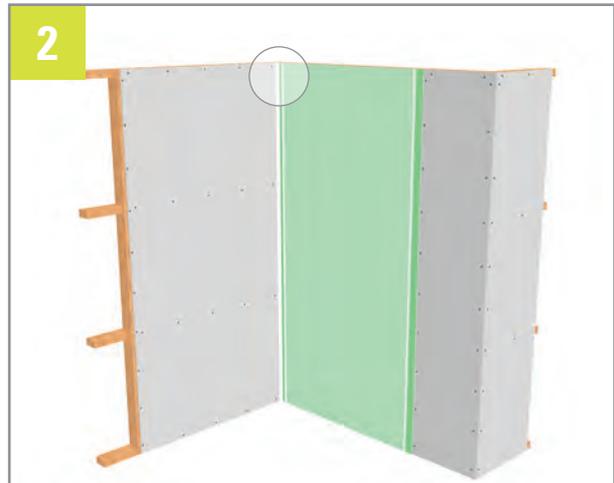


1 Install internal corner jointer

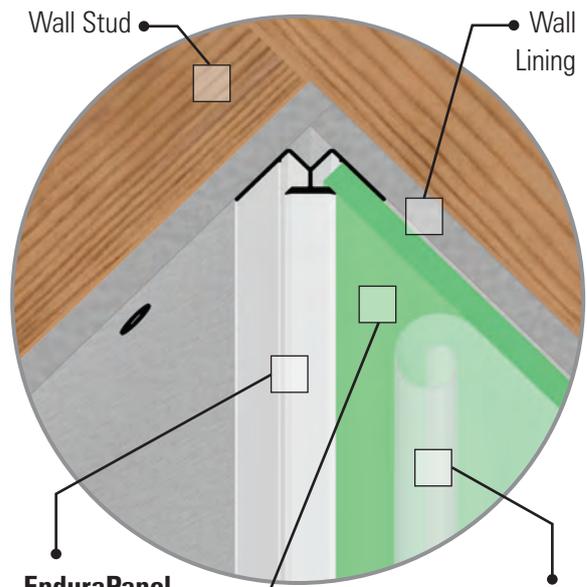


EnduraPanel Internal Jointer Extrusion

- Measure and cut internal corner to length
- Apply double-sided tape to full length of extrusion – both outside corners. Ensure good surface adhesion to extrusion by firmly pressing or rolling tape
- Remove backing paper from double-sided tape
- Install internal corner extrusion into corner. Be careful when using double-sided tape as once in contact with the wall, it can be difficult to remove and reuse
- Press or roll extrusion firmly into corner ensuring good surface adhesion with wall



2 Install first EnduraPanel



EnduraPanel Internal Jointer Extrusion

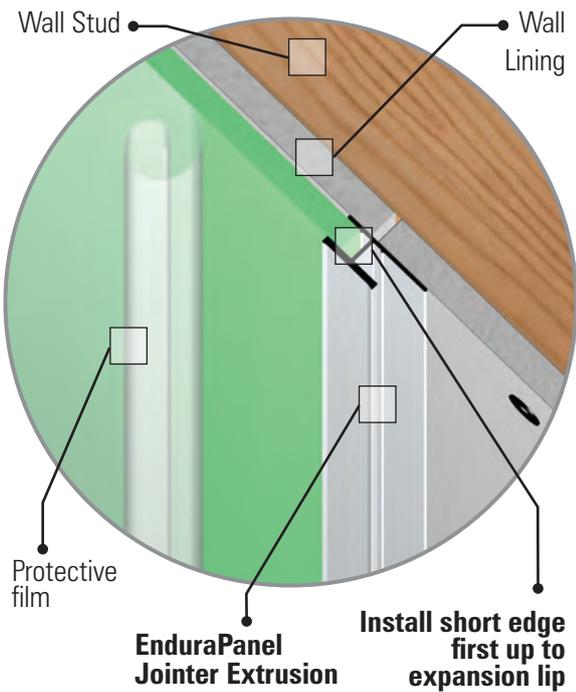
EnduraPanel

Peel back protective film 25mm before insertion

- Measure and cut EnduraPanel to size and geometry required, including any penetrations. De-bur all edges
- Remove protective film from the rear of panel
- Peel back protective film from the front face, at least 25mm from the edge to be inserted into the extrusion and the next edge to receive an extrusion
- Apply adhesive to specification (see page 4)
- Install leading edge into slot of extrusion up to the expansion lip (see page 8 of 'Shower Lining Detail' specification)
- Roll panel over the wall, smoothing out the sheet in the direction of installation
- Ensure panel is a good fit onto the wall
- Clean up any adhesive that spills out onto the wall



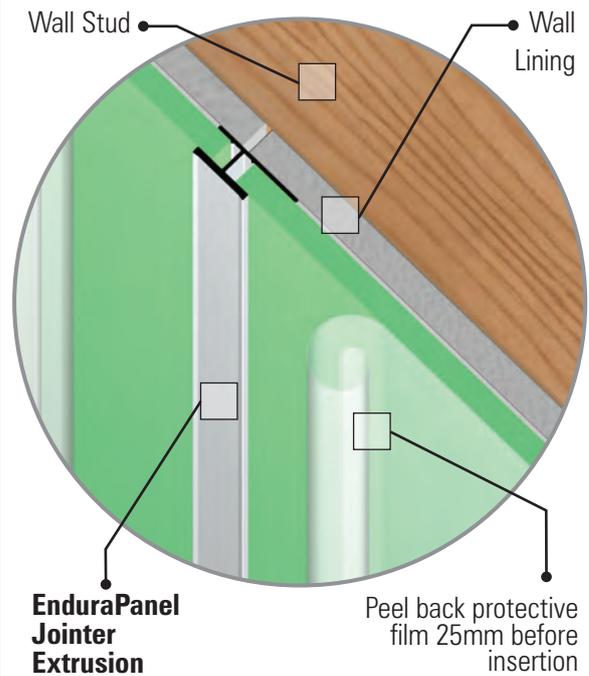
3 Install flat jointer - short edge first



- Measure and cut flat jointer to length
- If you wish to secure this extrusion, apply double-sided tape to full length of extrusion. Ensure good surface adhesion to extrusion by firmly pressing or rolling tape
- Remove backing from double-sided tape
- Ensure protective film is peeled back from trailing edge of EnduraPanel
- Install flat jointer onto trailing edge of EnduraPanel, short edge first



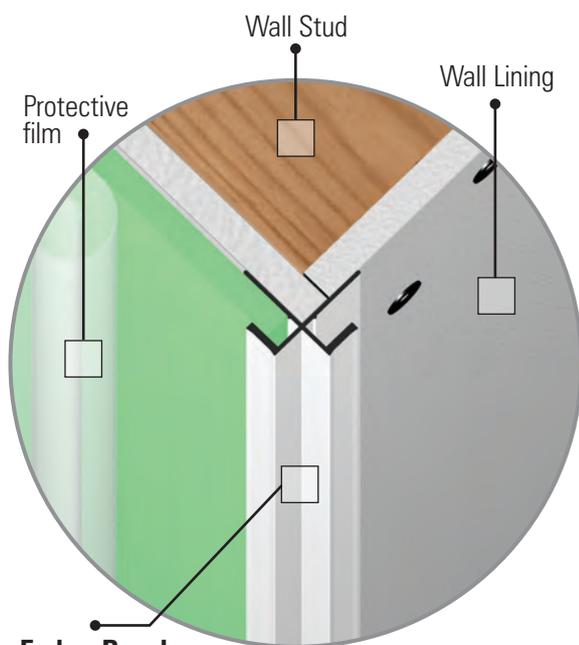
4 Install next EnduraPanel



- Measure and cut EnduraPanel to size and geometry required. De-bur all edges
- Remove protective film from the rear of panel.
- Peel back protective film from the front face, at least 25mm from the edge to be inserted into the extrusion and the next edge to receive an extrusion
- Apply adhesive to specification (see page 4)
- Install leading edge into slot of extrusion up to the expansion lip (see page 8 of 'Shower Lining Detail' specification)
- Roll panel over the wall, smoothing out the sheet in the direction of installation
- Ensure panel is a good fit onto the wall
- Clean up any adhesive that spills out onto the wall



Install external corner jointer

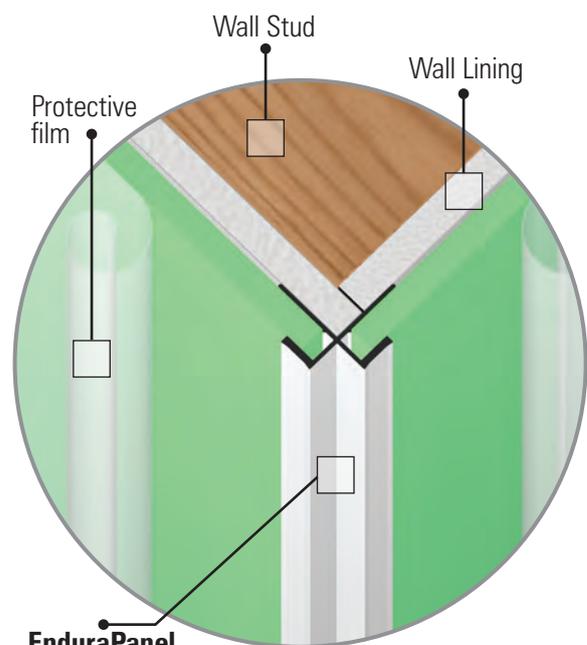


EnduraPanel External Extrusion

- Measure and cut external corner jointer to length
- If you wish to secure this extrusion, apply double-sided tape to full length of extrusion – both inside corners. Ensure good surface adhesion to extrusion by firmly pressing or rolling tape
- Remove backing film from double-sided tape
- Ensure protective film is peeled back from trailing edge of EnduraPanel
- Install External Corner Extrusion into corner. Be careful when using double-sided tape as once in contact with the wall, it can be difficult to remove and reuse
- Press or roll extrusion firmly into corner ensuring good surface adhesion with wall



Install next EnduraPanel

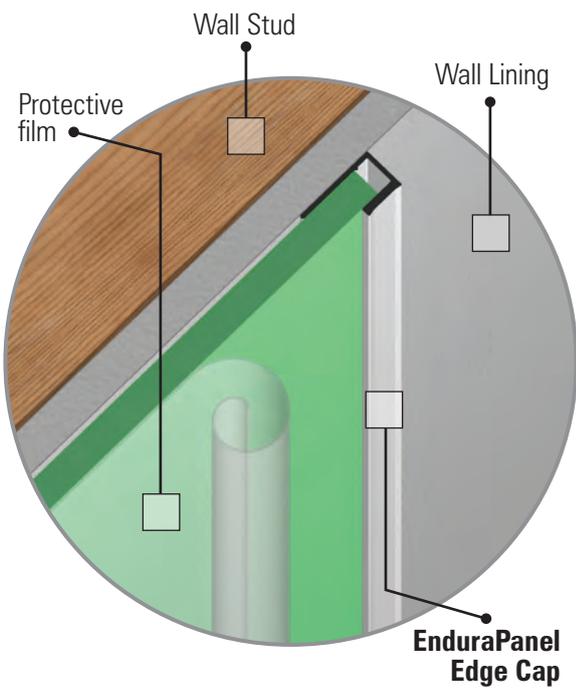


EnduraPanel External Extrusion

- Measure and cut EnduraPanel to size and geometry required. De-bur all edges
- Remove protective film from the rear of panel
- Peel back protective film from the front face, at least 25mm from the edge to be inserted into the extrusion and the next edge to be inserted into the terminal extrusion
- Apply adhesive to specification (see page 4)
- Install leading edge into slot of extrusion up to the expansion lip (see page 8 of 'Shower Lining Detail' specification)
- Roll panel over the wall, smoothing out the sheet in the direction of installation
- Ensure panel is a good fit onto the wall
- Cleanup any adhesive that spills out onto the wall



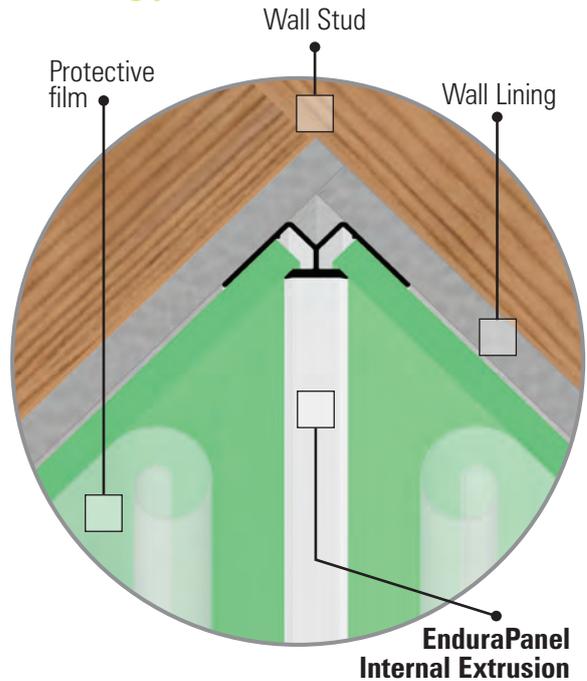
7 Install edge cap



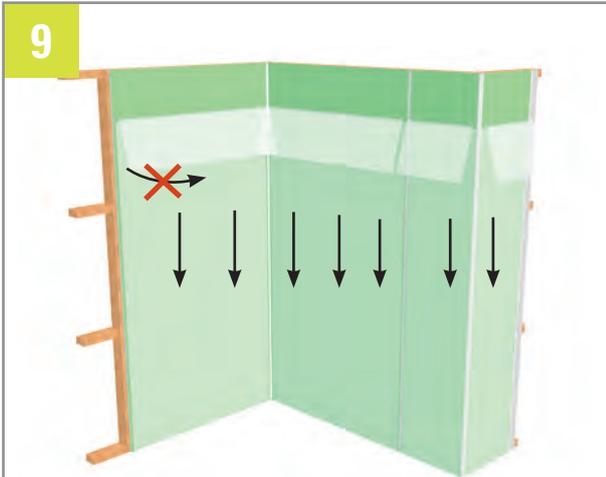
- Measure and cut edge cap extrusion to length
- If you wish to secure this extrusion, apply double-sided tape to full length of extrusion. Ensure good surface adhesion to extrusion by firmly pressing or rolling tape
- Remove backing paper from double-sided tape
- Ensure protective film is peeled back from trailing edge of EnduraPanel
- Install edge cap extrusion onto trailing edge of EnduraPanel. Be careful when using double-sided tape as once in contact with the wall, as it can be difficult to remove and reuse
- Press or roll extrusion firmly into corner ensuring good surface adhesion with wall



8 Install final EnduraPanel up to existing jointer



- Measure and cut EnduraPanel to size and geometry required. De-bur all edges
- Remove protective film from the rear of panel
- Peel back protective film from the front face, at least 25mm from the edge to be inserted into the extrusion and the next edge to receive an extrusion
- Apply adhesive to specification (see page 4)
- Install leading edge into slot of extrusion up to the expansion lip (see page 8 of 'Shower Lining Detail' specification)
- Roll panel over the wall, smoothing out the sheet in the direction of installation
- Ensure panel is a good fit onto the wall
- Cleanup any adhesive that spills out onto the wall



Removal of protective film

Protective film should be left as long as possible as it will offer surprising protection from abrasion and scratching.

- When removing protective film, start at the top of each panel and peel off in a downwards motion towards the floor
- Never pull the film out at right angles to the panel as this can pull the panel off the wall
- Dispose of all rubbish thoughtfully



Clean installation

After removal of protective film, clean the entire installation with methylated spirits or isopropyl alcohol. Any solvent residue should be removed by washing immediately.