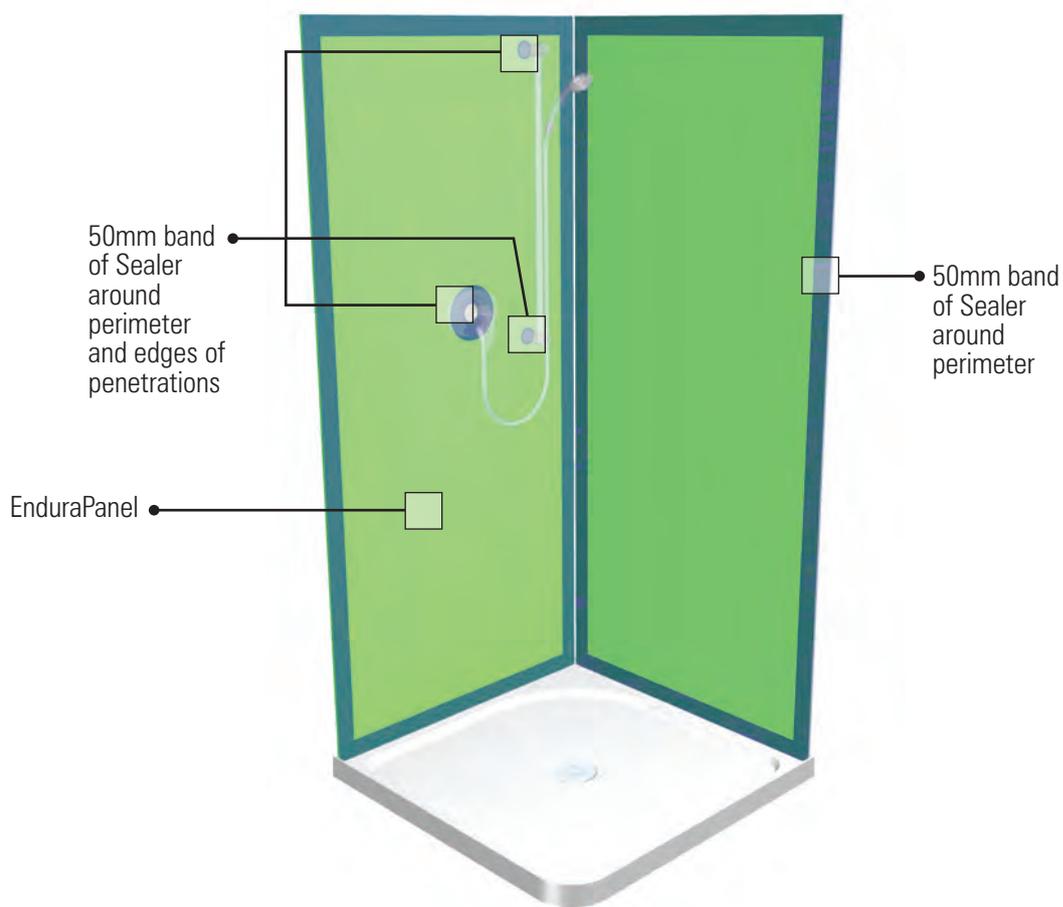


EnduraPanel

Bringing **colour** to life

Shower Lining Detail

Sealing of Perimeters, Penetrations & Edges

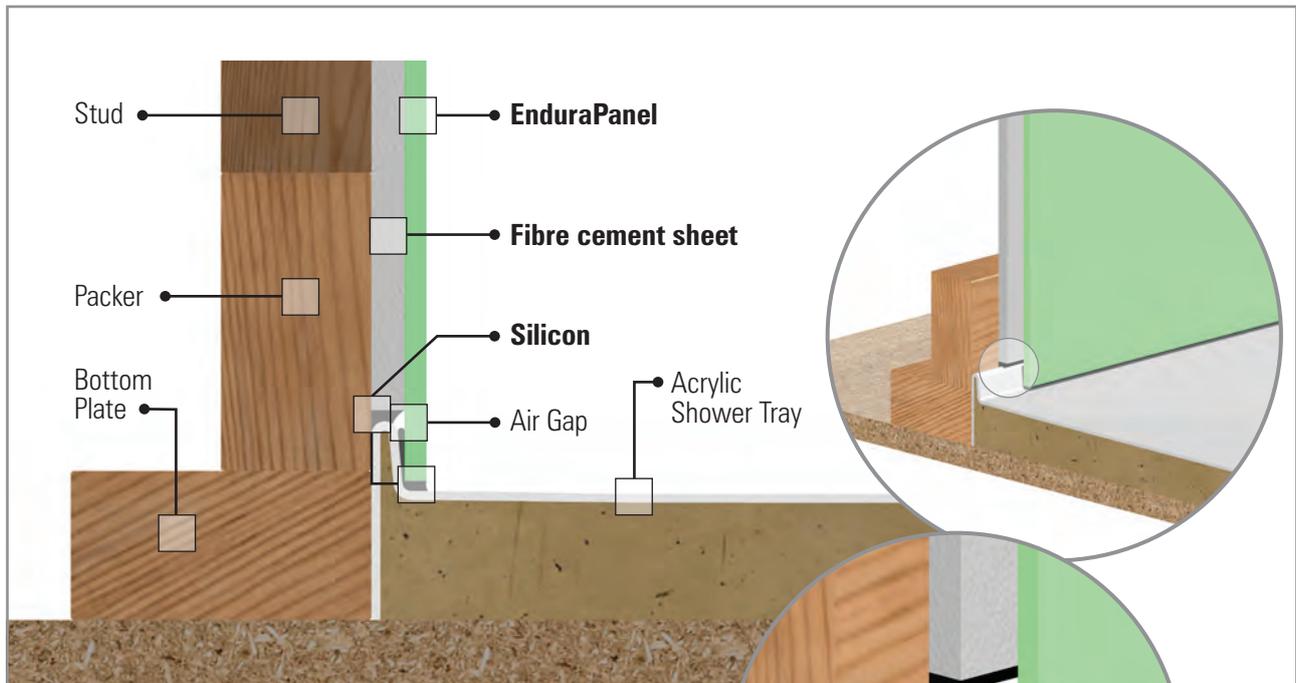


It is important to protect the rear (coated) side of EnduraPanel from moisture with a band of neutral cure silicon or acrylic sealant extending 50mm from the edge of the panel.

This should include:

- The perimeter of the sheet including any notches made
- Perimeter of any penetrations made i.e. shower mixer or shower slide-rail fixings
- The edges of these penetrations

New Zealand Standard Practice Shower Tray Installation



Acrylic shower trays in New Zealand are commonly installed using the system detailed below. With attention to detail, this has proven to be a durable solution.

Acrylic tray should be mounted up to the bottom plate of wall in accordance with the manufacturer's installation instructions.

Wall lining such as fibre cement sheet should be laid against framing following manufacturer's instructions, down to within 6mm of shower tray.

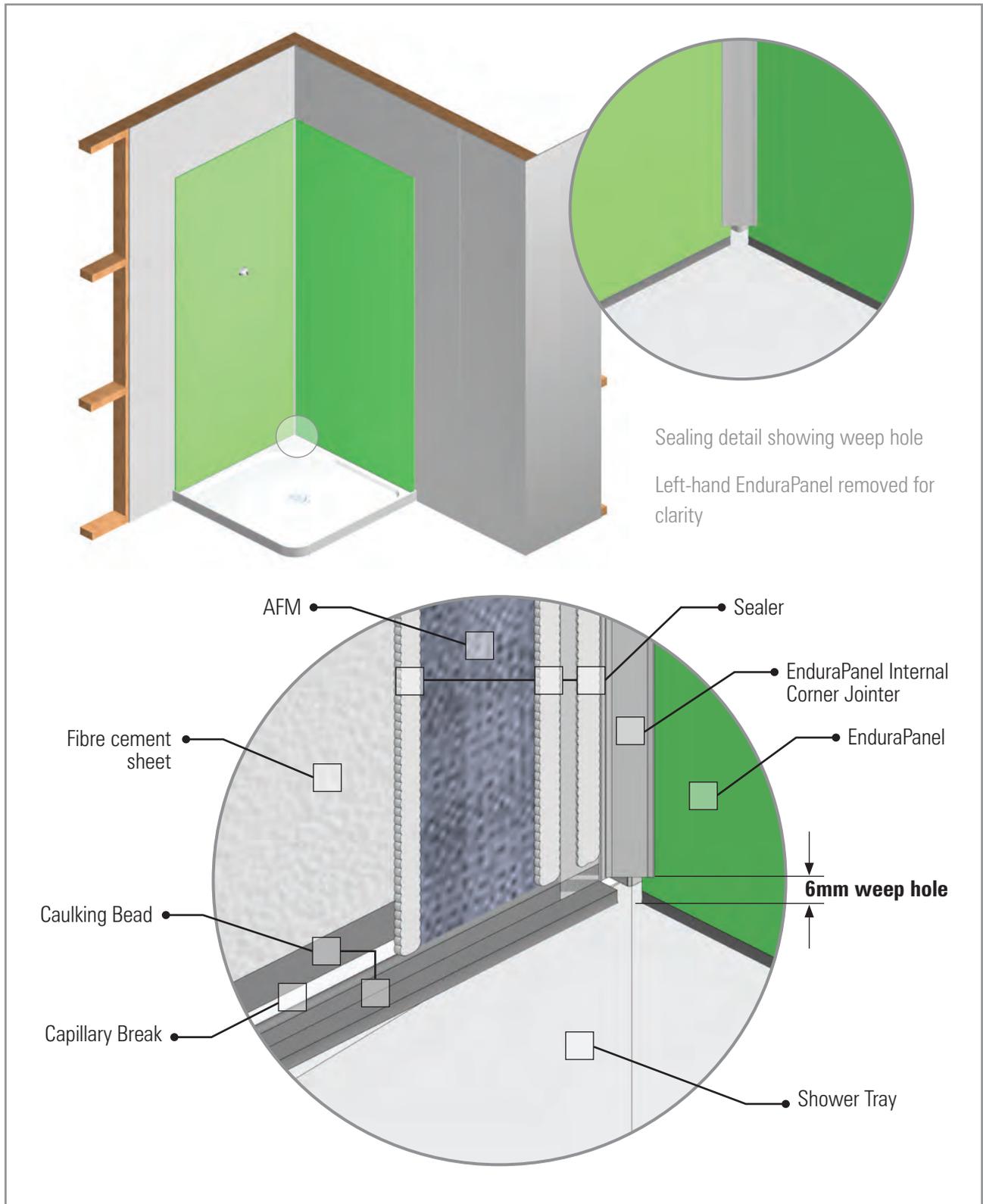
Flexible caulking should be installed between top of tray and bottom edge of wall lining in a continuous bead, then smoothed off as illustrated.

EnduraPanel is then installed over the wall lining and over the up-stand lip of the tray, as illustrated above,

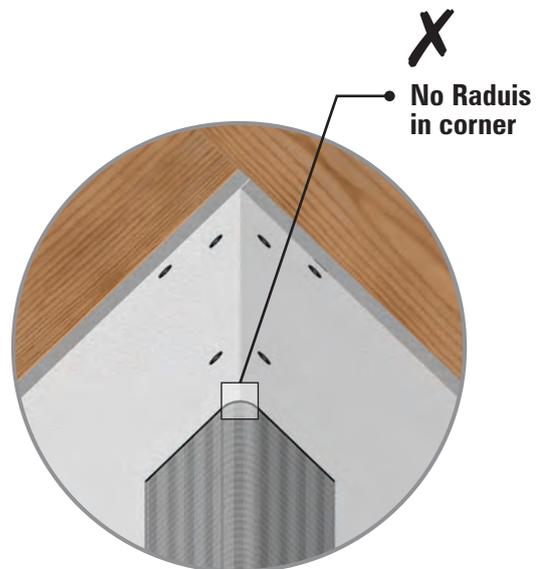
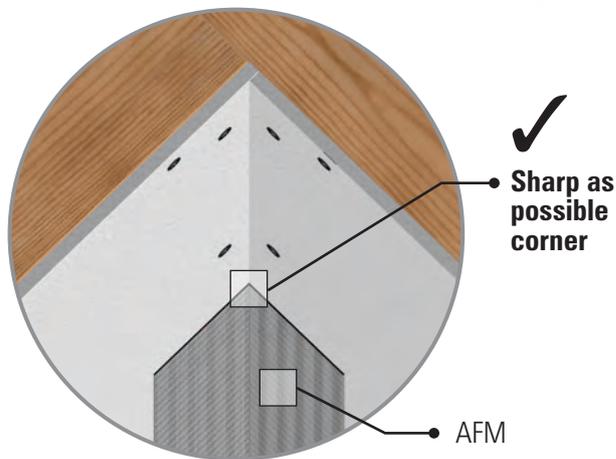
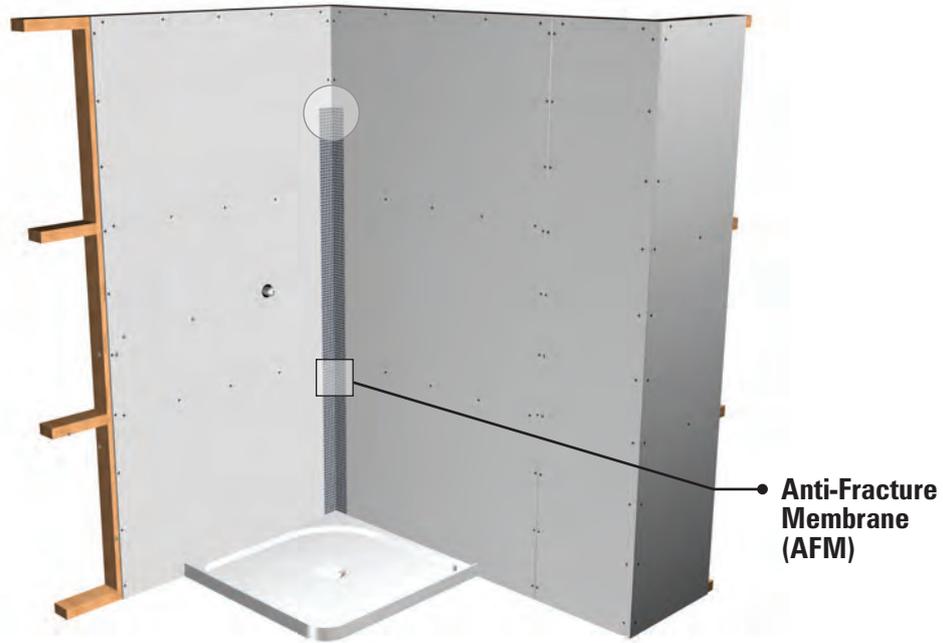
with a bead of flexible caulking between; the back of EnduraPanel and front of tray up-stand lip, and the top of tray and bottom edge of EnduraPanel.

A gap should be left between the two caulking beads to act as a capillary break.

Sealing Detail - Weep Hole



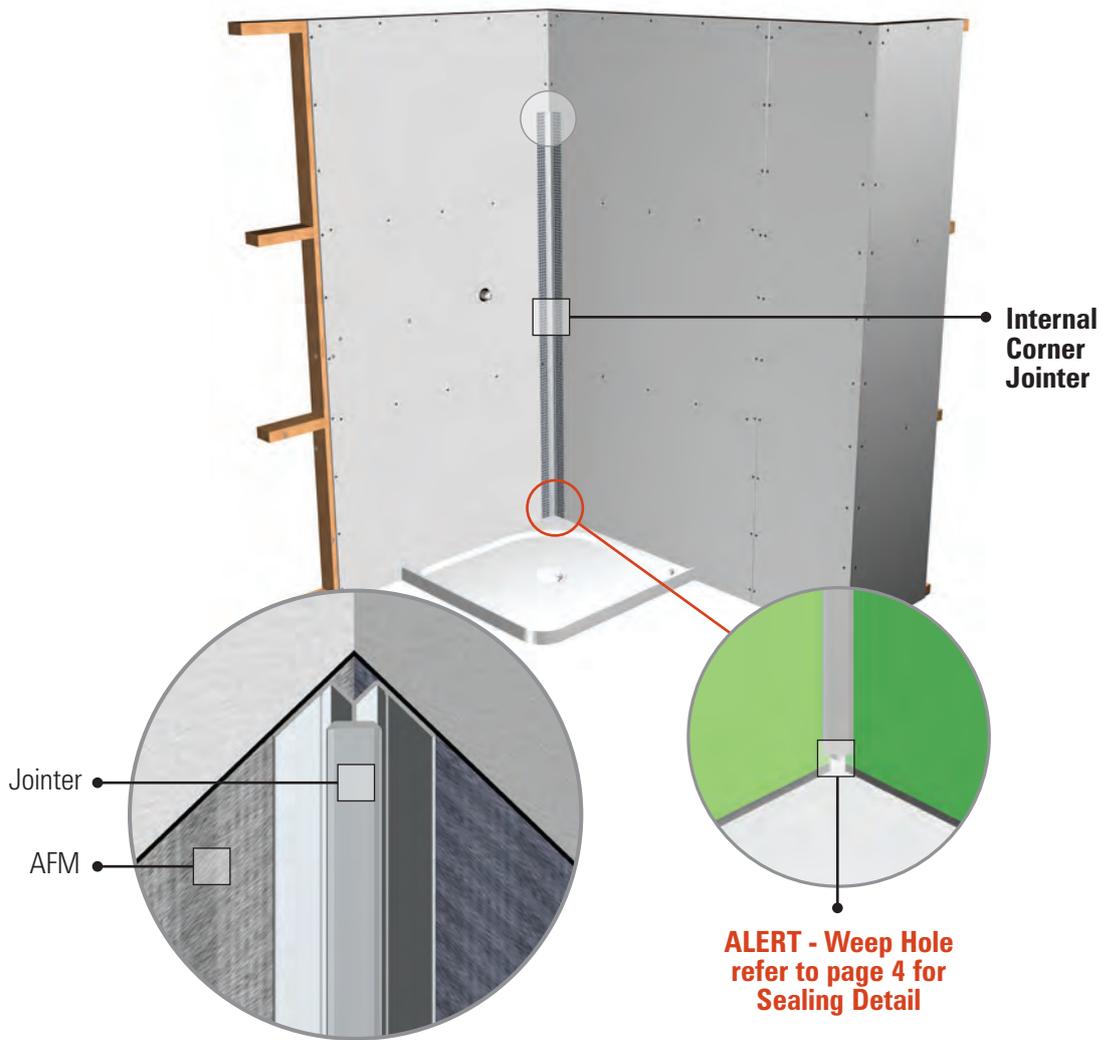
Install Anti Fracture Membrane



Install a suitable anti-fracture membrane in the internal corner running from the finished installed height of the shower, down and over the lip of the tray, terminating at the bottom of the tray lip.

There should be as small a radius as possible in the wall corner.

Install Internal Corner Jointer



The internal corner jointer is an integral component in a shower installation, as this will accommodate thermal expansion that may be experienced during the showering cycle.

The jointer should run the same length as the anti-fracture membrane i.e. from the finished installed height of the shower, down to the bottom of the shower tray lip.

- Cut the internal corner jointer to length
- Trim off 6mm of jointer as shown
- Install the internal corner jointer against the anti-fracture membrane

Measure and Cut EnduraPanel

Finished Height

Finished Width Measurement from outside of door receiver to 45deg edge + 5mm

ALERT - Weep Hole refer to page 4 for Sealing Detail

EnduraPanel shower liners are supplied as a standard kit.

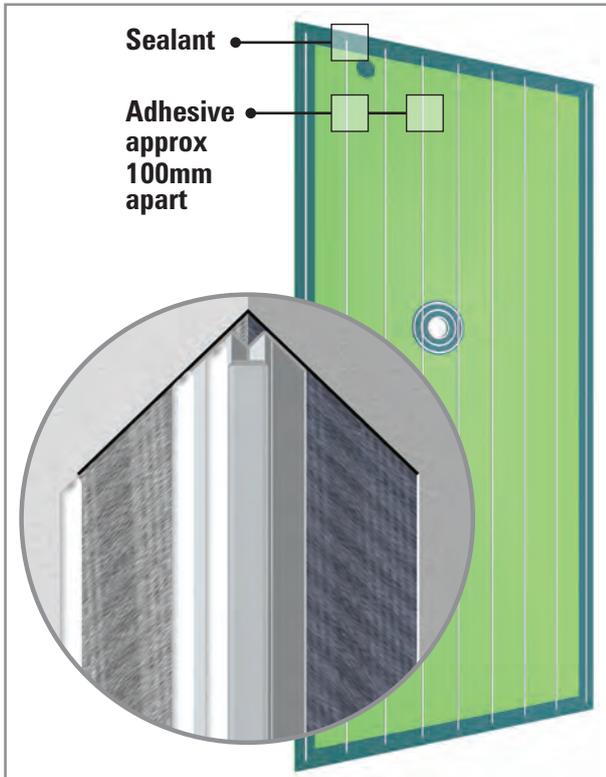
Measure the distance from the outside of the door, return to the edge of the 45° edge of the Internal Corner Jointer and add 5mm. This is the EnduraPanel finished width.

Measure from the top of the door return to the top of the shower tray. This is the EnduraPanel finished height.

Cut EnduraPanel in accordance with the instructions contained in the 'Machining of EnduraPanel' technical specification.

Cut any penetrations and notches into EnduraPanel.

Apply Sealant and Adhesive to EnduraPanel



Remove the protective film from rear of EnduraPanel.

Seal the perimeter and all penetrations and penetration edges with a band of neutral cure silicon or acrylic sealant extending 50mm from the edge of the panel as illustrated, above.

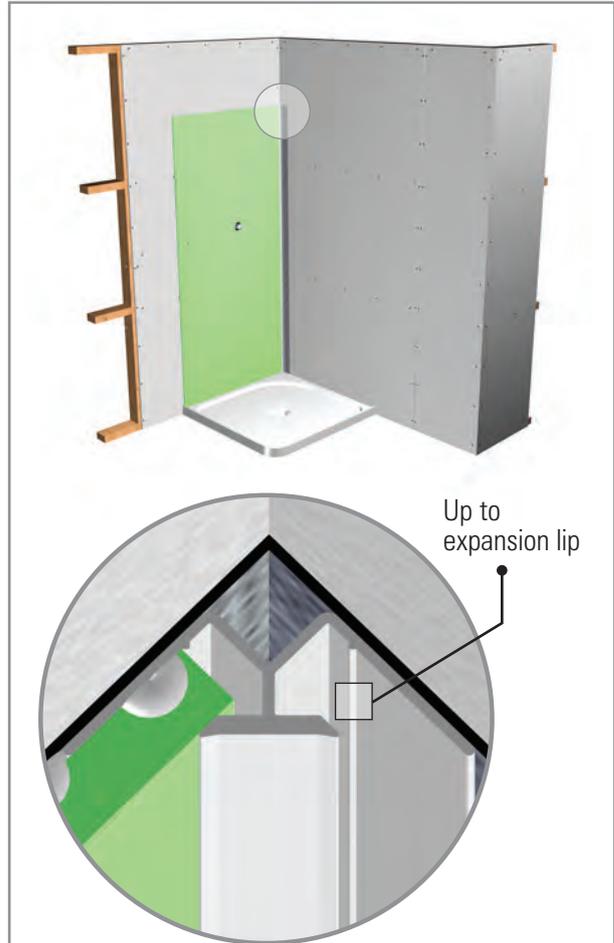
Apply adhesive to rear of EnduraPanel as shown in the illustration, above.

Apply bead of flexible caulking to up-stand lip of tray.

Apply three beads of flexible caulking along the full height of the corner:

- Onto the liner at the edge of the anti-fracture membrane
- Onto the anti-fracture membrane at the edge of the internal corner jointer
- Onto the internal corner jointer in front of the expansion lip

Install EnduraPanel



Peel back protective film from front face of EnduraPanel, 25mm from the edge to be inserted into internal corner jointer.

Fit EnduraPanel into Internal Corner Jointer, up to the expansion lip.

Roll EnduraPanel onto wall. Smooth out surface of EnduraPanel with hands (do not excessively push EnduraPanel into the wall).

Install second EnduraPanel following the previous steps.

Fitting Door Returns: 1. Drilling

Clearance Drill min of 3 places

Door Return

EnduraPanel

Clearance Hole for Selftapper

Fibre cement sheet

Framing

DO NOT SCREW INTO ENDURAPANEL IT WILL SPLIT

Peel back protective film from front face of EnduraPanel, to the width of door return + 25mm from the outer edge of EnduraPanel.

Fit door returns in place ensuring they are in the correct position and plumb.

Drill clearance holes through EnduraPanel and wall linings using the guidelines in Machining EnduraPanel.

At least 3 fixing points should be used over the height of a 1.8m shower, 4 fixing points in a 2m shower.

Remove all swarfe from holes, de-bur door return if necessary.

Fitting Door Returns: 2. Fixing

Door Return

EnduraPanel

Screw bites into frame only

Fibre cement sheet

Framing

DO NOT SCREW INTO ENDURAPANEL IT WILL SPLIT

Fit door returns back in place.

Fill holes with flexible caulking before screwing returns to the wall.

Check for plumb and position before final tightening of door return fastenings.

Fitting of Mixer Plate



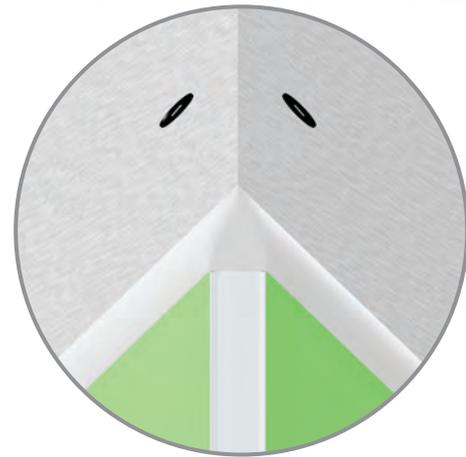
Peel back protective film from front face of EnduraPanel, to 25mm beyond the outer edge of the shower mixer's installed perimeter.

Apply a bead of flexible caulking around the perimeter and a second bead around the penetration in the EnduraPanel.

Both beads should be finished as shown above to allow for any moisture to drain away.

Fix mixer plate as per manufacturer's instructions.

Sealing of EnduraPanel Top Edge



In line with BRANZ recommendation, we suggest that silicon be applied to the top of EnduraPanel. This is to prevent any moisture penetrating down behind the lining. Special attention should be paid to the top of the internal corner jointer and anti-fracture membrane areas. See illustration, above.

Fit Shower Door Assemblies



Fit shower door assemblies as per manufacturer's instructions.

This step generally does not involve EnduraPanel.

Fitting of Shower Sliders etc



Items such as shower slider rails, shower caddies and soap dishes are generally installed last.

Traditionally this involves further penetrations of EnduraPanel. Follow guidelines in 'Machining of EnduraPanel' technical specification.

Modern adhesive products including specialist glues and high performance double-sided tapes are acceptable for light loads with these items. Always follow manufacturer's instructions.

EnduraPanel is classed as a methacrylate (MMA) for the purposes of specifying an adhesive substrate.