Installation & Handling Guide for ACP.

Pre-Installation Inspection.

Remove the protective film applied to both faces. Ensure the surface is smooth, free of dust, grease, and solvent. Perform a dry fit to ensure the panels align correctly. Ensure joins meet on studs (if attaching to framing).
Trim panels if needed using a fine-tooth circular saw. Apply painter's tape on the cutting line to avoid chipping.

Storage & Handling.

bbi plywood should be handled and stored with care. In order for you to get the finish and end result that you are looking for.
The product should be stored until used in a dry area protected from the sun, rain, wind or snow. The product should not be placed directly on the ground and should be supported with at least three but preferably four supports.

bbi plywood should always be stored flat and not on the edge.
If possible, store in the room for at least 24 hours prior to installation when using bbi plywood inside, this will give it time to reach equilibrium moisture content and reduce the potential for movement after installation.

For further information about storage and handling recommendations, please refer to standard AS/NZS 2269. Additionally, a Material Safety Data Sheet is available on our website www.bbi.net.nz.

Fixings & Adhesives.

Jointers:
Use 4.5mm PVC or aluminium jointers at all panel seams and edges. These provide a neat, professional finish and protect cut edges from moisture and damage. For internal and external corners, apply jointers to ensure clean and secure corner junctions. Ensure that the jointers are properly sealed with silicone to prevent water penetration. Use edge jointers to cover exposed panel ends. Slide jointers onto the panel edges before final fixing. Apply silicone sealant within the channels of jointers to ensure a watertight seal. This is particularly crucial in wet areas like bathrooms or kitchens

Spacing:
Maintain proper spacing of fixings and use nogs or battens to support all panel edges for optimal performance.

Type of Adhesive:
Use a high-quality construction adhesive compatible with ACP. It should be designed for bonding to both the substrate and the aluminium composite material. Follow the adhesive manufacturer's guidelines for application and curing time.

Application:
Wipe the back of the ACP panel with a damp cloth to remove dust before applying adhesive.
Apply double-sided foam tape around the perimeter of the panel to temporarily secure it while the adhesive cures.
Apply a continuous 5mm bead of adhesive in a zigzag pattern, ensuring there are no gaps larger than 50mm between beads. For direct attachment to timber framing, apply adhesive along all framing members.

Pressure:
Once positioned, press the panel firmly into place, applying consistent pressure to ensure good contact between the panel and the adhesive. Temporary bracing or props may be used to hold the panel until the adhesive sets.

Installation.

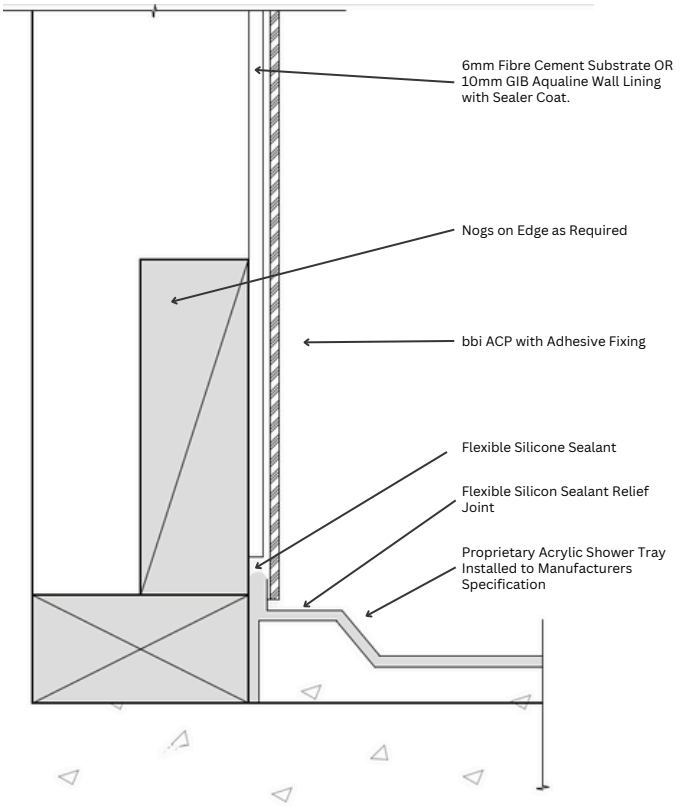
For electrical outlets or plumbing, mark the required openings and use a jigsaw to cut them out. For circular holes, use a hole saw. Always cut from the reverse side to avoid scratching the panel's finish.

Earthing required for this product when installing power points/electrical wires.

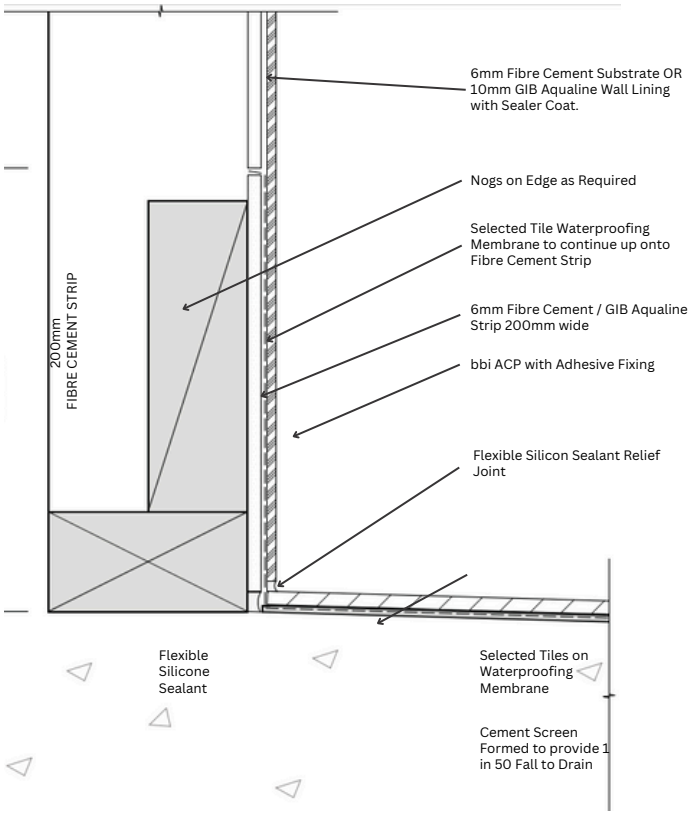
Finishing Requirements.

Apply a bead of flexible silicone sealant along all edges and cut seams to prevent moisture ingress. Ensure jointers are fully sealed with silicone in the channels for a watertight finish.

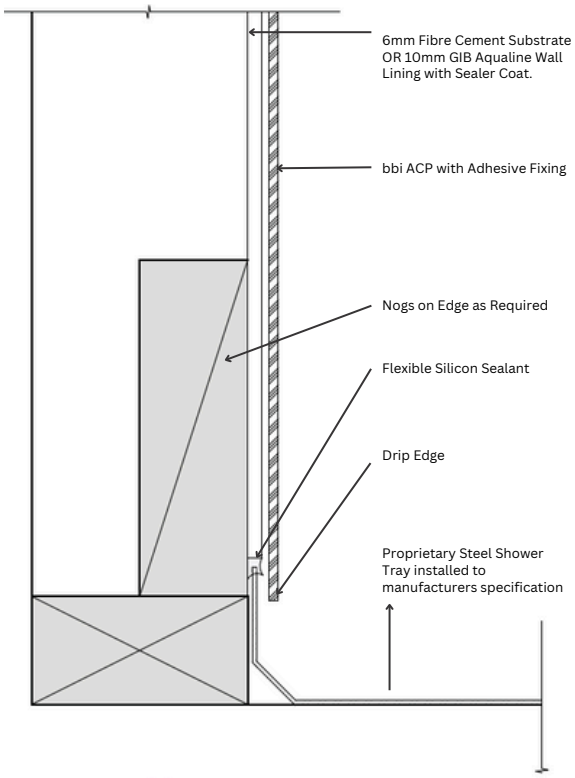
Wall to Proprietary Acrylic Shower Tray.



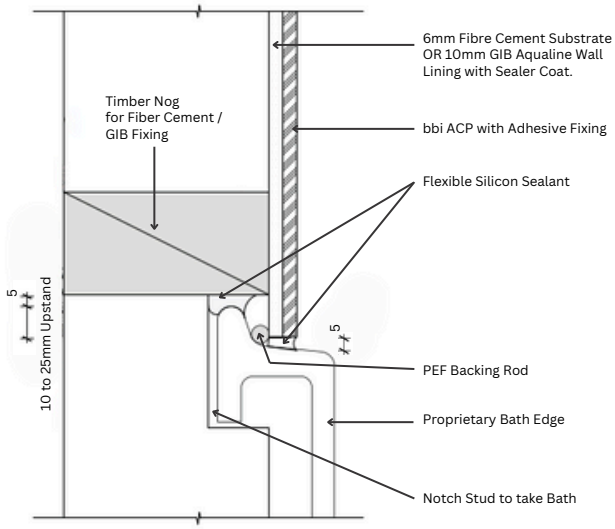
Wall to Tile Shower Edge.



Wall to Proprietary Steel Shower Tray.



Wall to Proprietary Bath Edge.



NOTE: Fibre Cement / GIB Aqualine recessed edges to be flush. Joint Stopped Waterproofing to be installed to manufacturers specifications.

***All joints to use proprietary 4.5mm PVC or aluminium jointers, all cut edges to be sealed.

Maintenance.

Regularly clean ACP surfaces using mild detergent and water.
Avoid abrasive materials that could scratch the surface.
Inspect silicone seals periodically to ensure water-tightness and reapply or replace as needed.