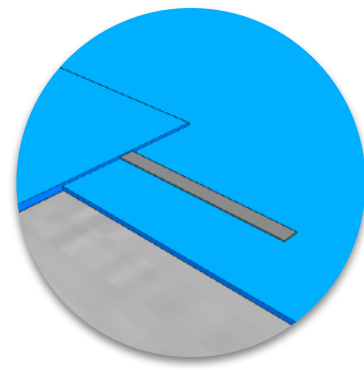


Stage 1 | Vapour Control Layer



Roll out Fatrapar vapour control layer over substrate ensuring laps are positive where ever possible. Ensure 100mm overlap is achieved with all conjoining sheets.

Seal all joints, laps, penetrations using butyl sealing tape 50mm from the outside edge.

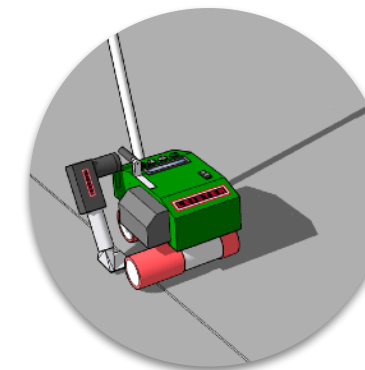
Stage 2 | Insulation Board



Lay insulation boards in a staggered brick bond pattern.

All hobs, plinths and the like are also insulated in accordance with Fatra specifications. Ensure there are no gaps or thermal bridges present between the insulation boards.

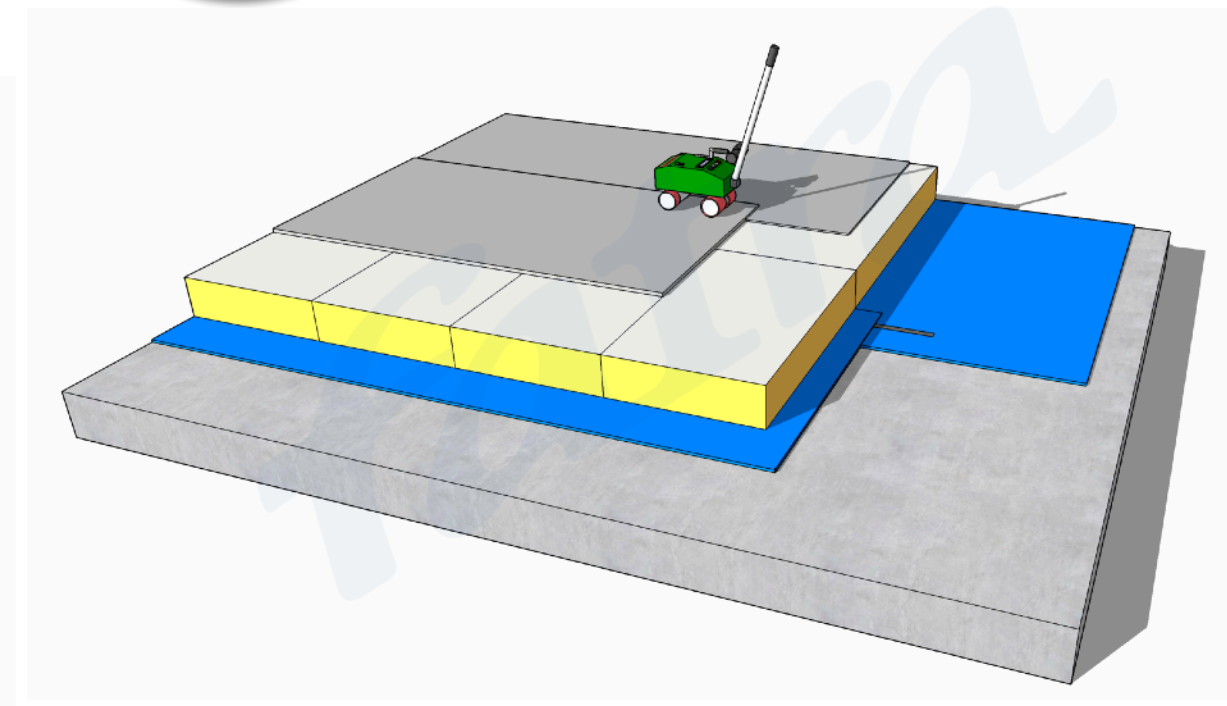
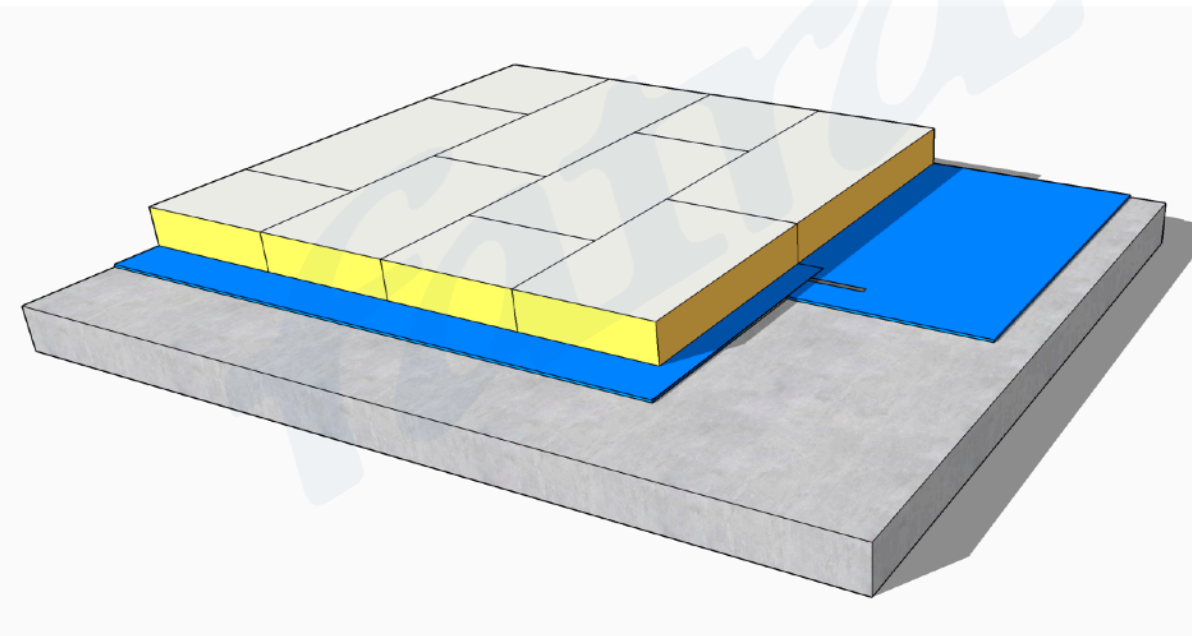
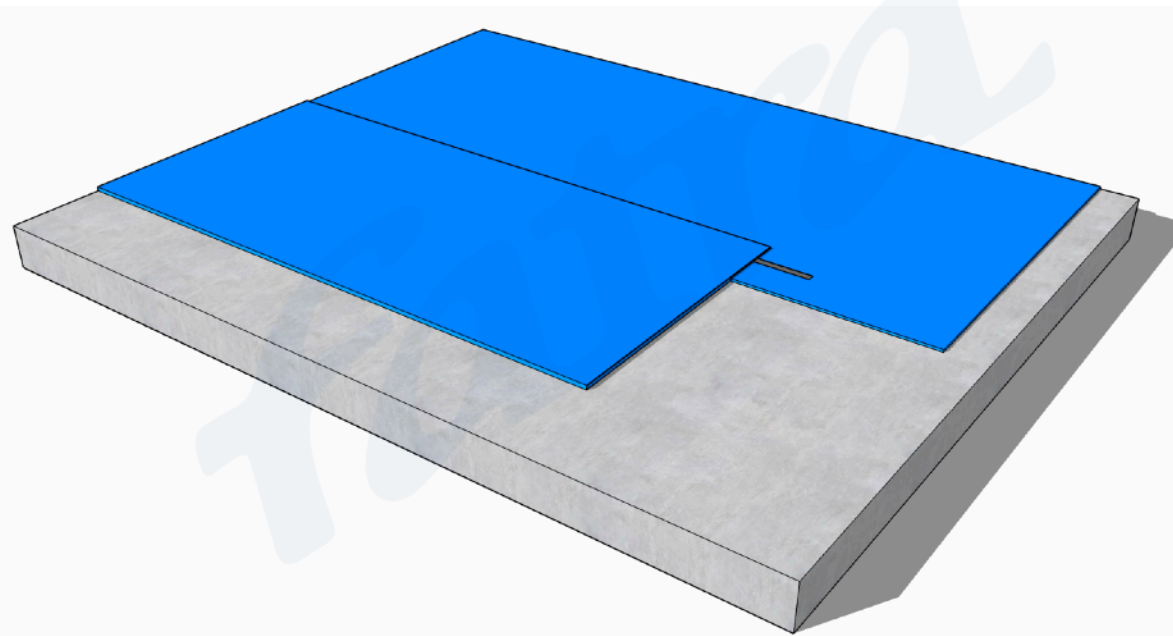
Stage 3 | Fatrafol 810v PVC Field Sheet Membrane



The conjoining sheets are to overlap a minimum of 100mm to allow for an adequate weld width.

Using a hot air fusion welder, weld the conjoining field sheets together achieving a minimum weld width of 40mm.

Spot fixing of the field sheet may be required should the roof ballast not be installed for a lengthy period of time.



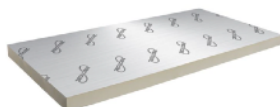
Ballasted Systems

1D 10 Childs Road Chipping Norton NSW 2170
www.fatraaustralia.com.au

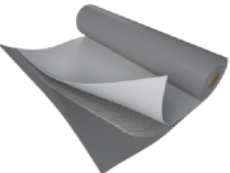
Components |



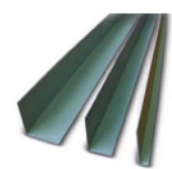
FATRAPAR |
Vapour Control Layer



INSULATION |
Insulation Board



FATRAFOL 810v |
Reinforced PVC Membrane

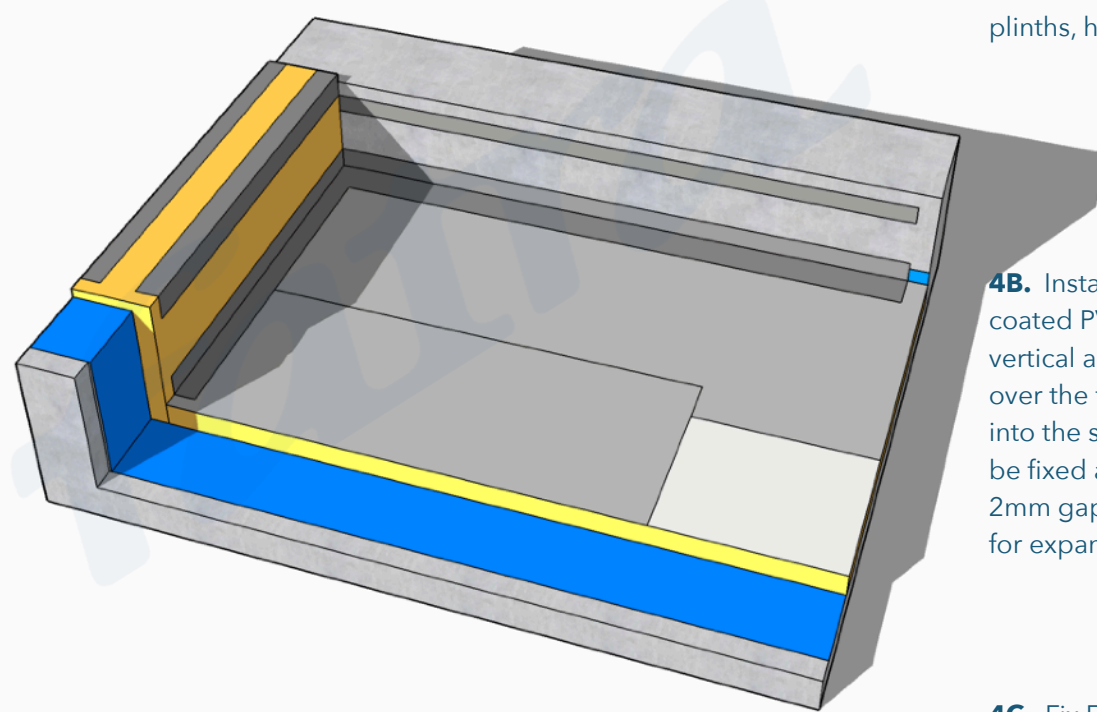


FATRANYL |
Fatranyl PVC Coated Angles.



FATRA BUTYL |
Butyl Tape

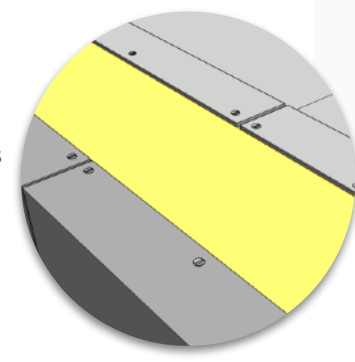
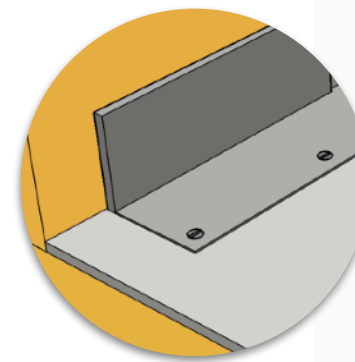
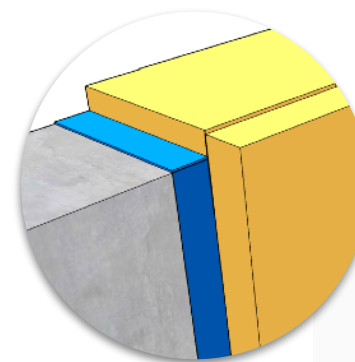
Stage 4 | Fatranyl PVC Coated Angles



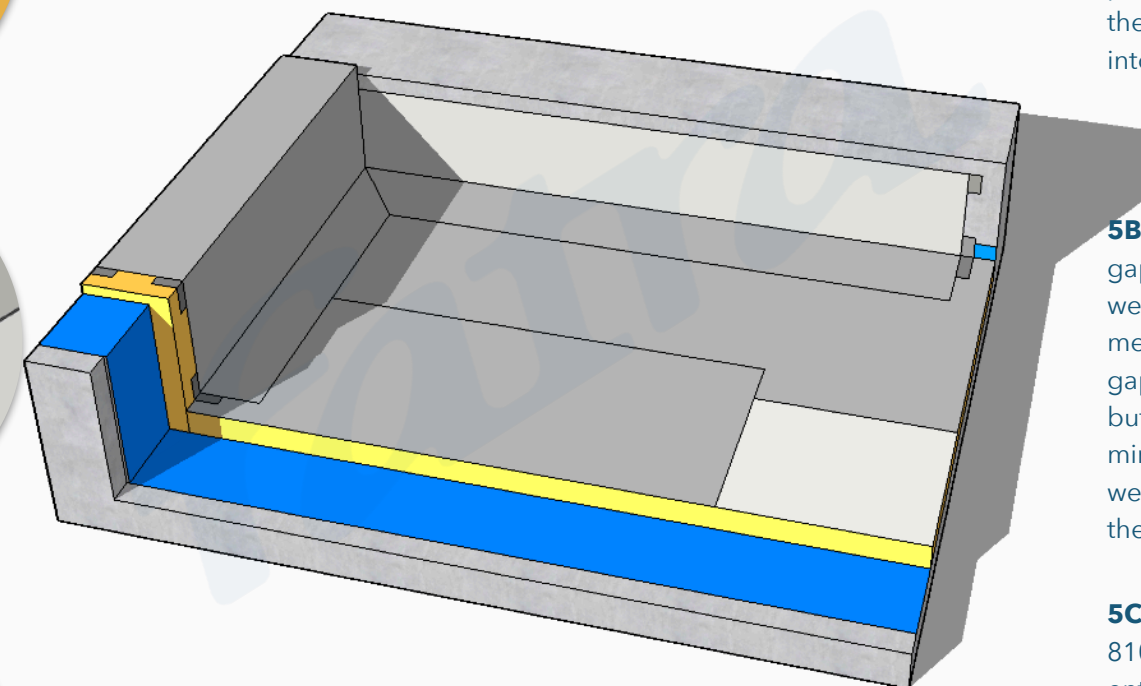
4A. Install insulation board to the inside vertical/horizontal upturns and all internal penetrations such as plinths, hobs and the like.

4B. Install a Fatranyl internally coated PVC angle around all vertical and horizontal junctions. Fix over the field sheet membrane and into the substrate. All angles are to be fixed at 150mm centres. Leave 2mm gap between angles to allow for expansion.

4C. Fix Fatranyl externally coated PVC metal angles at 150mm centres to the outside edge of perimeter hobs, plinths and the like. Leave 2mm gap between angles to allow for expansion.



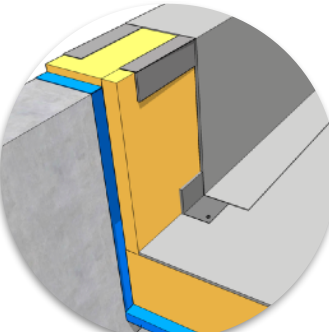
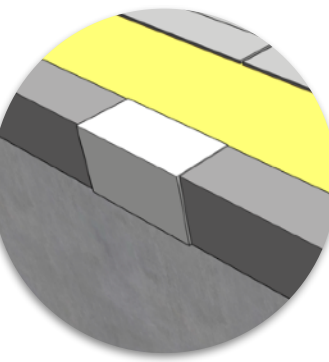
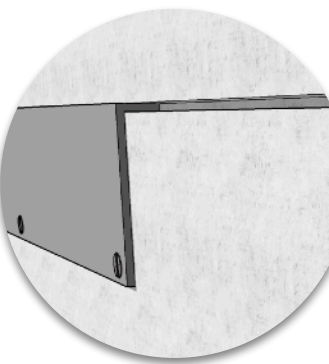
Stage 5 | Fatrafol Membrane Upturn Detailing



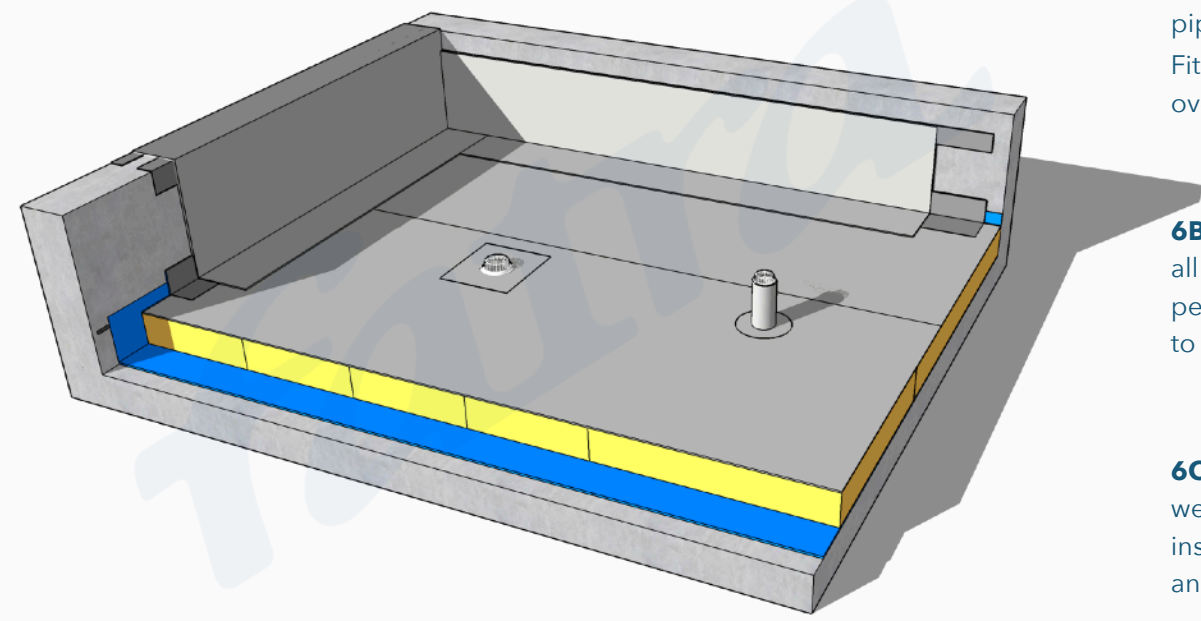
5A. Where a termination into a vertical wall is required, saw cut a slot approximately 20mm deep to enable installation of Fatranyl chase termination angle. Insert polyurethane into the saw cut slot the mechanically fixed chase angle into place at 150mm centres.

5B. Apply foil tape over expansion gap between angles. Hot air fusion weld a minimum 120mm wide membrane butt strap over expansion gaps. Weld both vertical sides of the butt strap. Ensure there is a minimum 40mm gap which is not welded to the horizontal section of the butt strap to allow for expansion.

5C. Install a continuous Fatrafol 810v PVC membrane strap to the entire length of the perimeter hobs, plinths and the like. Hot air fusion weld Fatrafol 810v membrane strap to field sheet membrane and termination angles in accordance with Fatra technical specifications and methodologies.



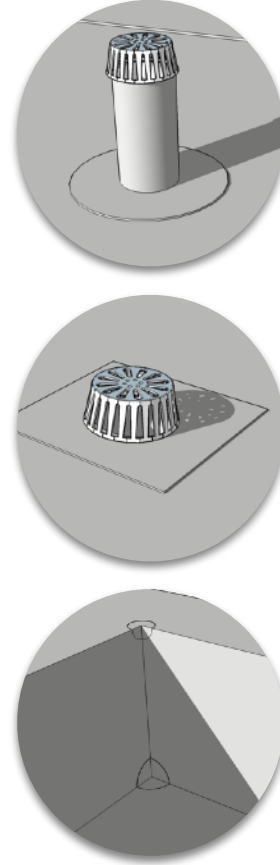
Stage 6 | Fatrafol Corner, Pipe & Rainwater Outlet Detailing



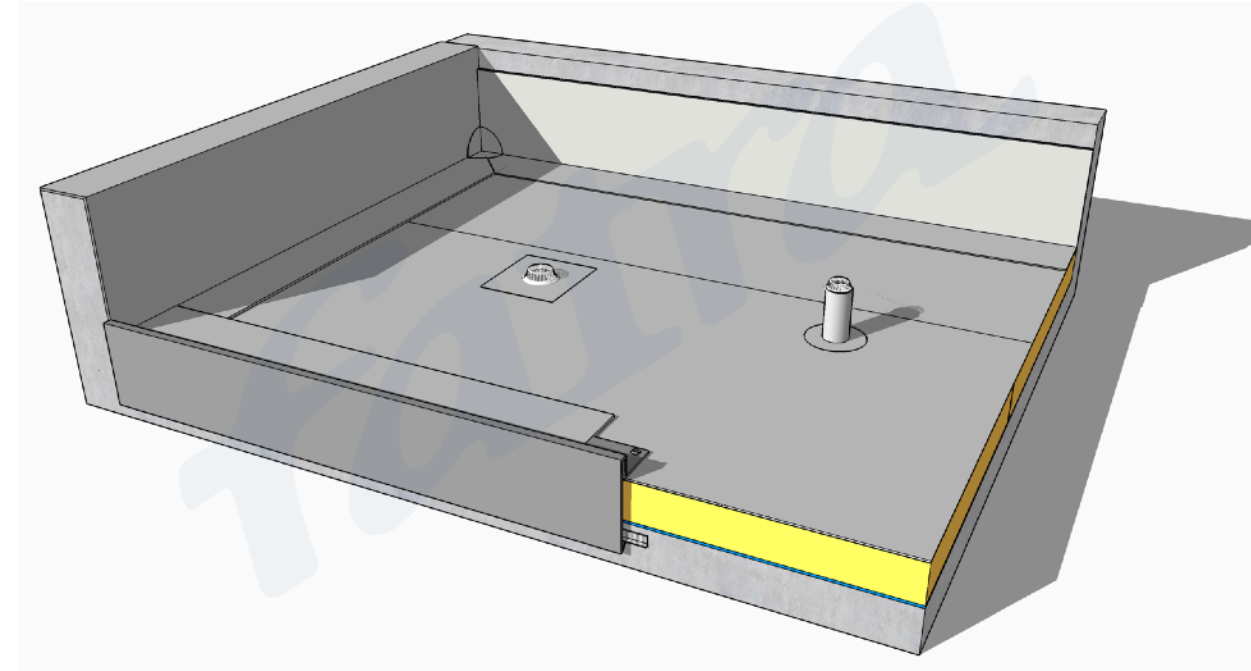
6A. Wrap prefabricated PVC pipe collars around the pipe and weld PVC membrane base flange to the field sheet. Weld the top of the prefabricated pipe collar to the PVC pipe.
Fit pipe cap over the top of the PVC pipe ensuring this overlaps the top of the prefabricated PVC pipe collar.

6B. Insert the specific diameter rainwater outlet and fix all four corners into the substrate. Fully weld the entire perimeter of the PVC membrane flange which is attached to the rainwater outlet to the field sheet

6C. Where changes in direction is present, hot air fusion weld internal/external prefabricated corner patches installed in accordance with Fatra technical specification and methodologies.

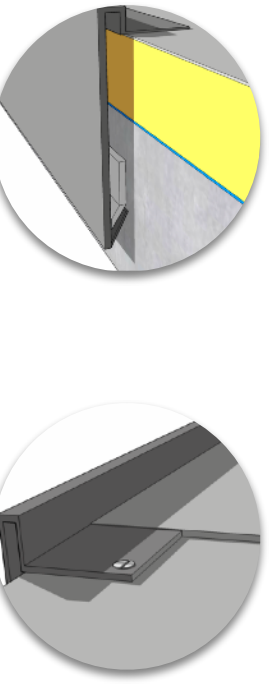


Stage 7 | Verge Detailing

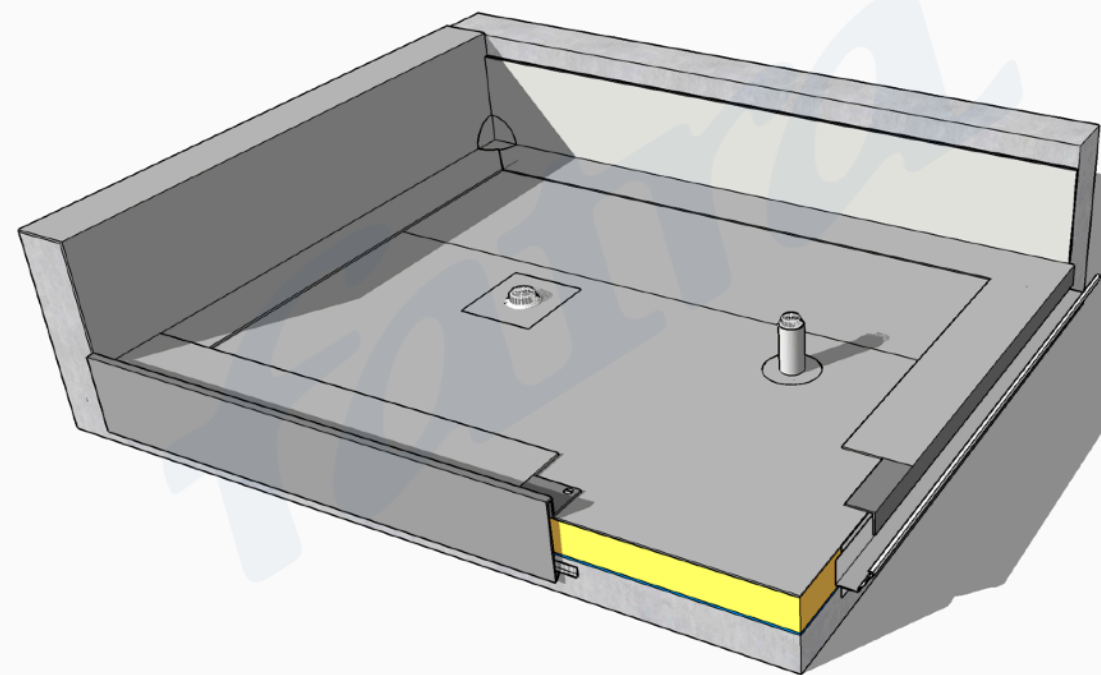


7A. Fix Fatranyl externally coated PVC metal verge angle at 150mm centres to edge of building. Verge angle is to clip onto support angle which is fixed to the structure to support verge flashing. Ensure VCL is lapping down the building and is also sealed using butyl tape against the building.

7B. Install 150mm Fatrafol 810v PVC membrane strap to the entire length of the verge edge. The PVC membrane strap is to lap onto the field sheet and install a continuous hot air fusion weld to the PVC coated verge angle and field sheet membrane.

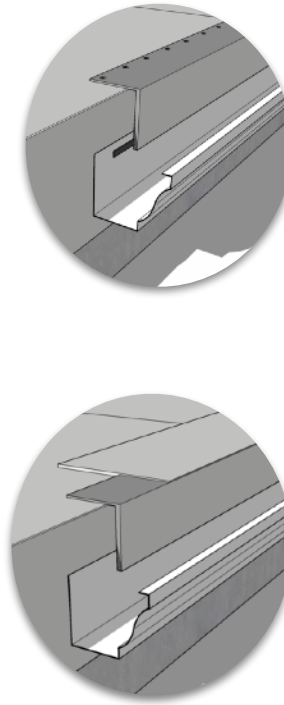


Stage 8 | Verge/Eaves Gutter Detailing

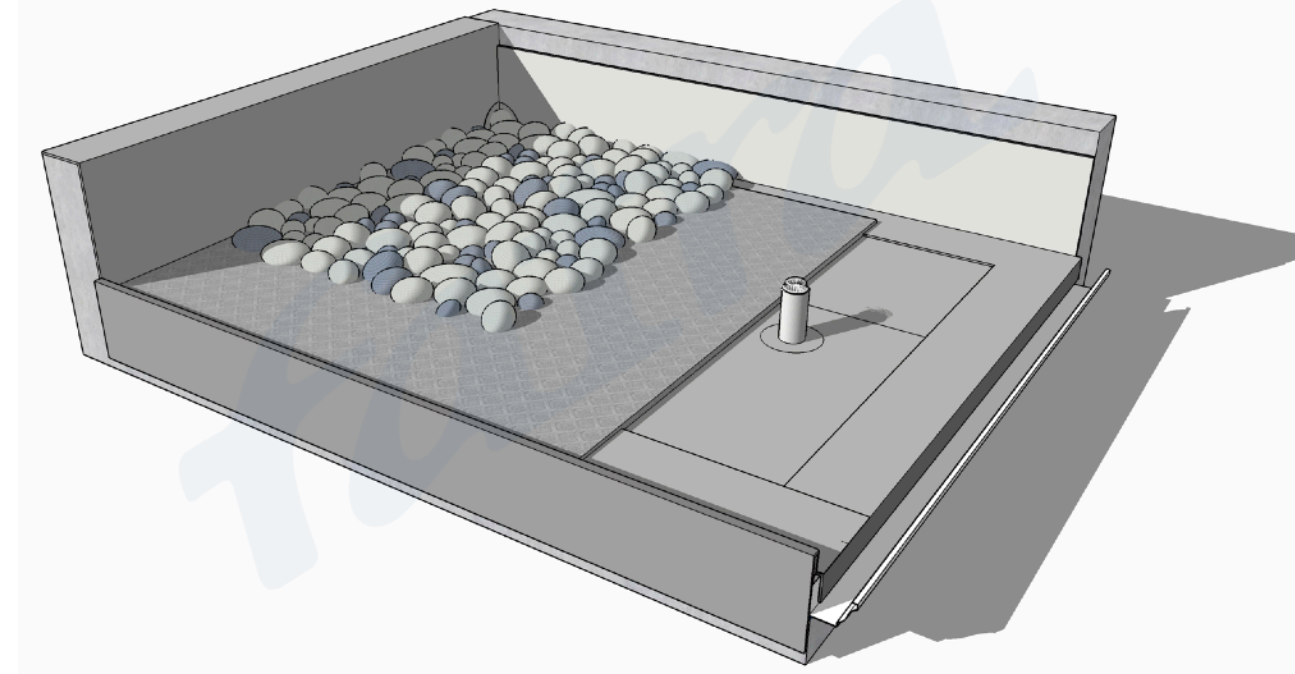


8A. Fix Fatranyl externally coated PVC metal crush and fold gutter angle at 150mm centres into the eaves gutter. Seal Fatranyl gutter angle using butyl tape to the gutter and seal angle. Ensure VCL is lapping down the building and is also sealed using butyl tape against the building.

8B. Install 150mm Fatrafol 810v PVC membrane strap to the entire length of the eaves gutter. The PVC membrane strap is to lap onto the field sheet a minimum of 100mm. Install a continuous 40mm hot air fusion weld to the PVC coated eaves gutter angle and sheet membrane accordance with Fatra technical specification and methodologies.

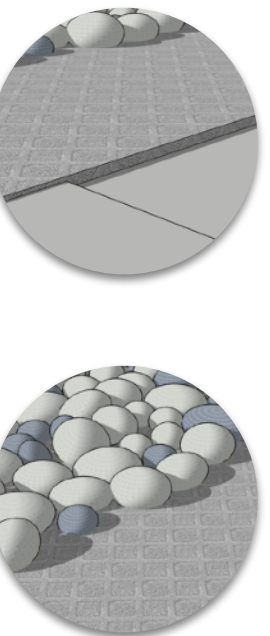


Stage 9 | Overlaying Finishes - Pebbles

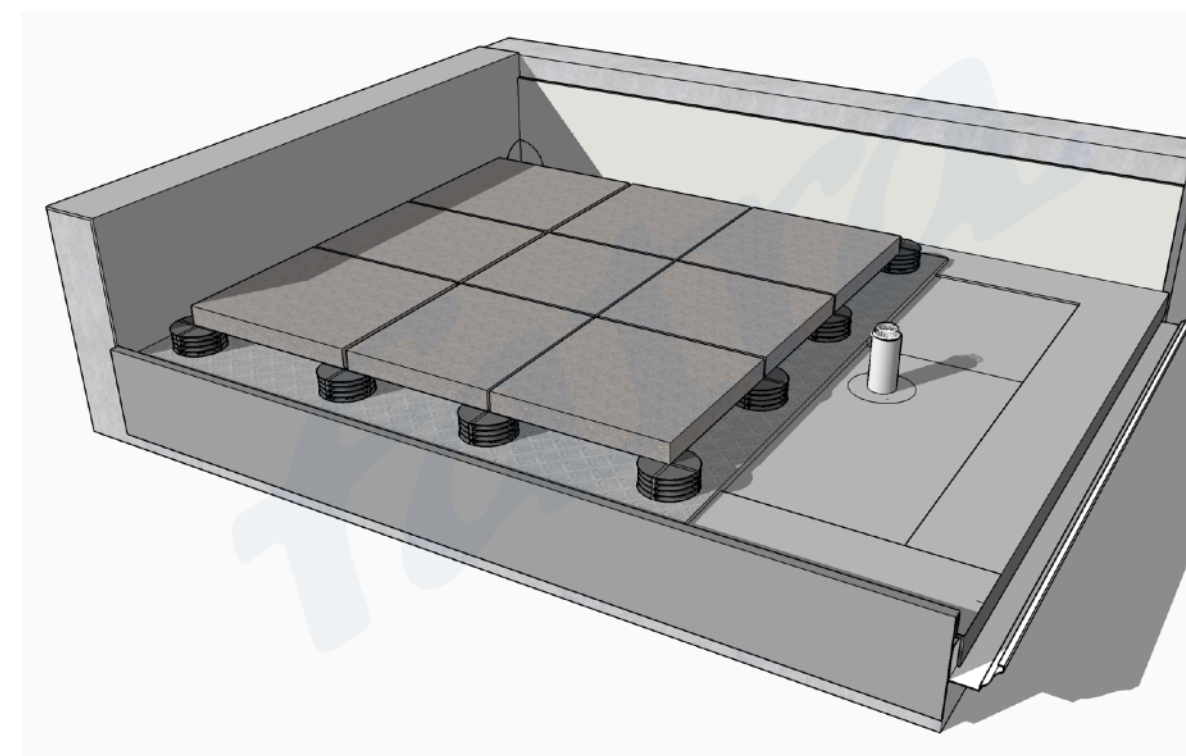


9A. Loose lay Fatratex Geotextile fabric over the Fatrafol PVC membrane to provide protection to the membrane from the pebble ballast

7B. Install specified pebbles/stones over the Fatratex geotextile fabric ensuring an even coverage and achieving the desired thickness of ballast. Ensure an engineer certifies the total weight and thickness is suitable to securely ballast the roof system into place.



Stage 10 | Overlaying Finishes - Concrete Pavers



10A. Loose lay protection layer over the Fatrafol PVC membrane to provide protection to the membrane from the adjustable chairs and pavers.

10B. Install specified adjustable chairs which are used to sit the concrete pavers on. These should be installed in conjunction with architectural specification and suppliers recommendations. Sit concrete pavers onto the pads in accordance with suppliers specifications.

