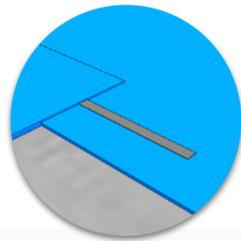


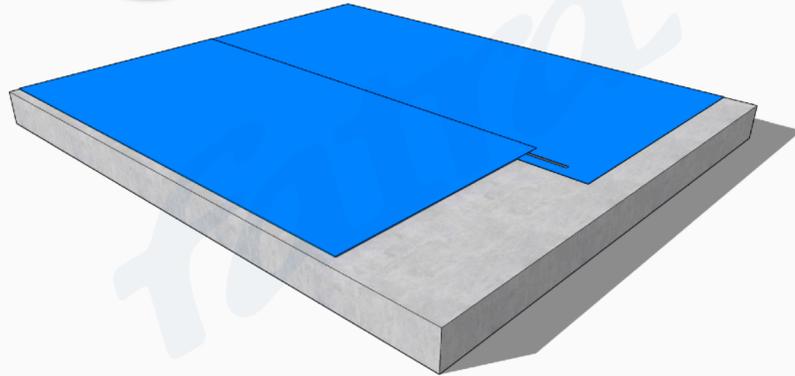
Fatra Installation Guide |

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.

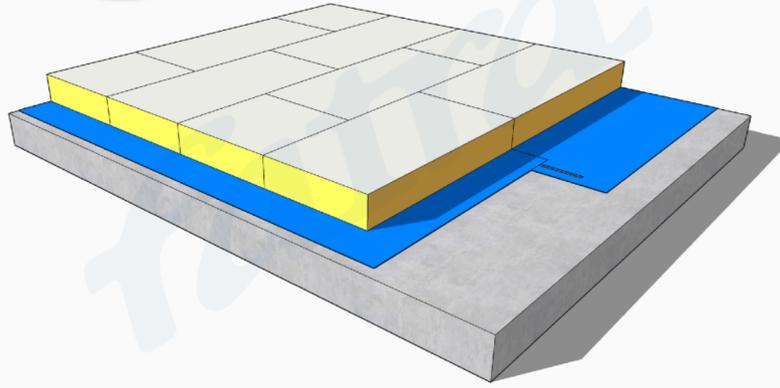


Stage 2 | Insulation Board



Loose 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.

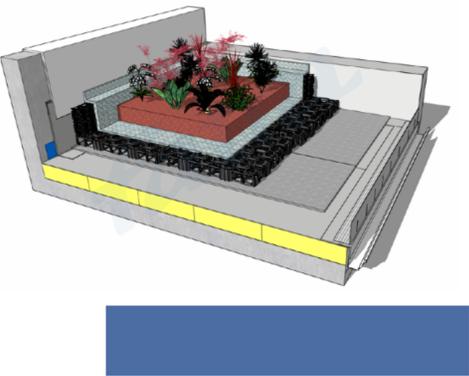
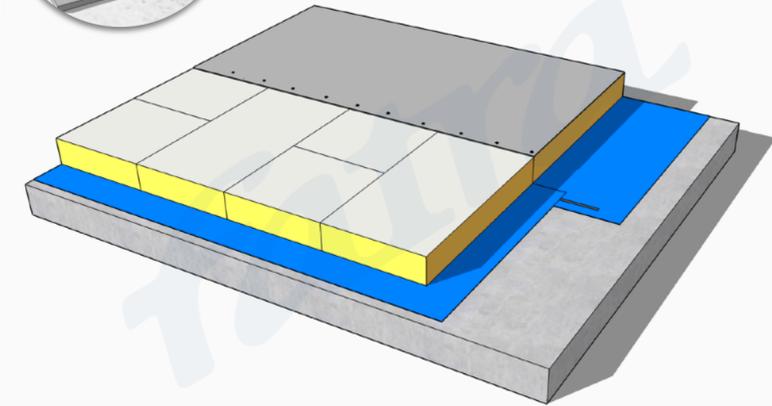


Stage 3 | Fatrafol 810v Field Sheet Membrane



Roll the Fatrafol 810v PVC membrane over the substrate ensuring the rolls are installed with the fall of the roof to avoid positive laps where possible.

Fix 40mm Fatra pressures and specified fixings at centres of 200mm to mechanically fix membrane into place 50mm from the edge.



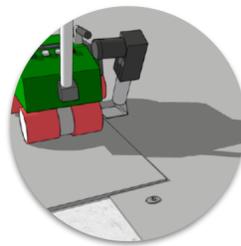
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Planter Box Systems

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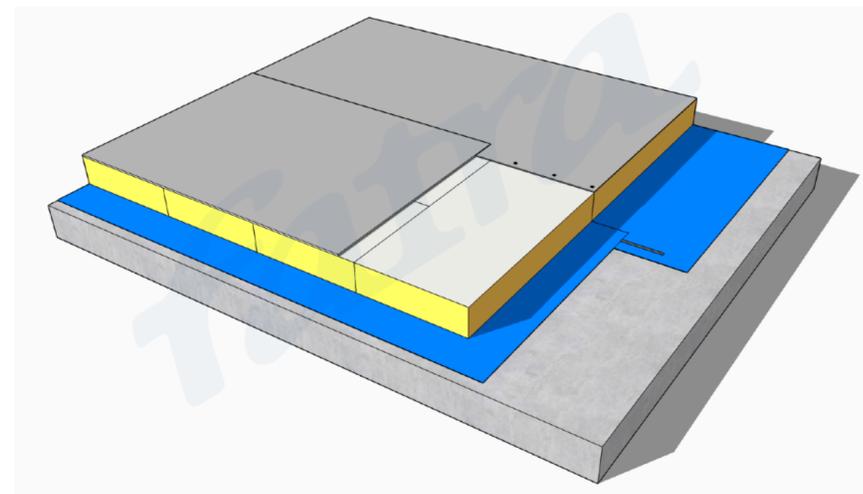
Components |



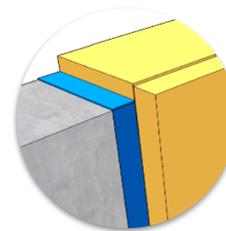
Stage 4 | Fatrafol 810v Field Sheet Welding



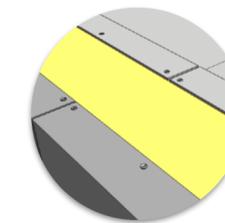
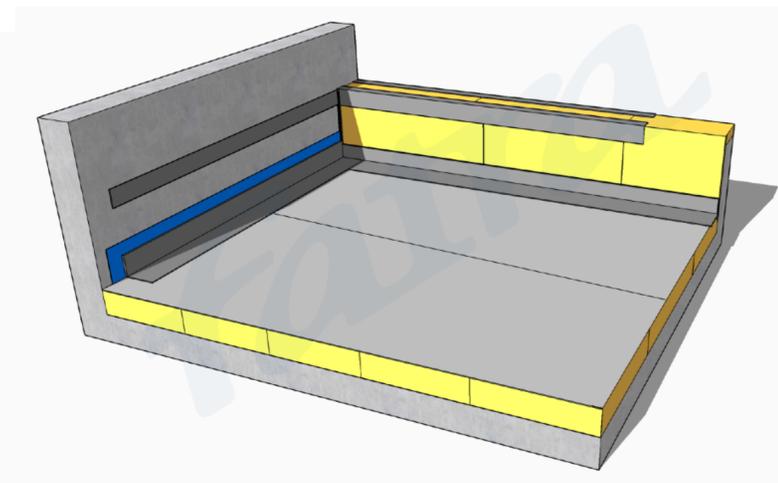
Once the field sheet has been suitably fixed and secured into place, hot air fusion weld the conjoining field sheet laps in accordance with Fatra technical specification and methodologies.



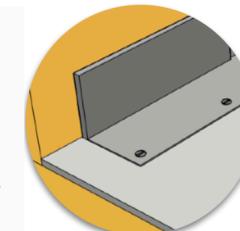
Stage 5 | Fatrafol 810v Field Sheet Welding



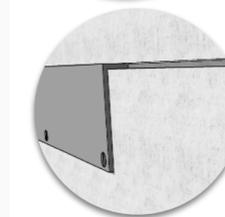
5A. Install insulation board to the inside vertical/horizontal upturns and all internal penetrations such as plinths, hobs and the like. If a termination into a wall is required insulating the vertical upturn can not be installed. Ensure VCL is installed to the entire horizontal and vertical hob and sealed using butyl tape to the outside vertical face of the hob.



5B. 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.

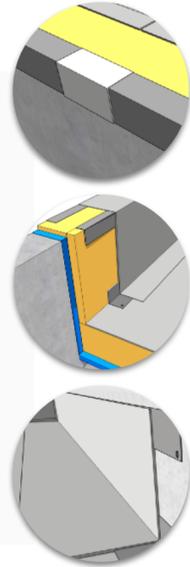
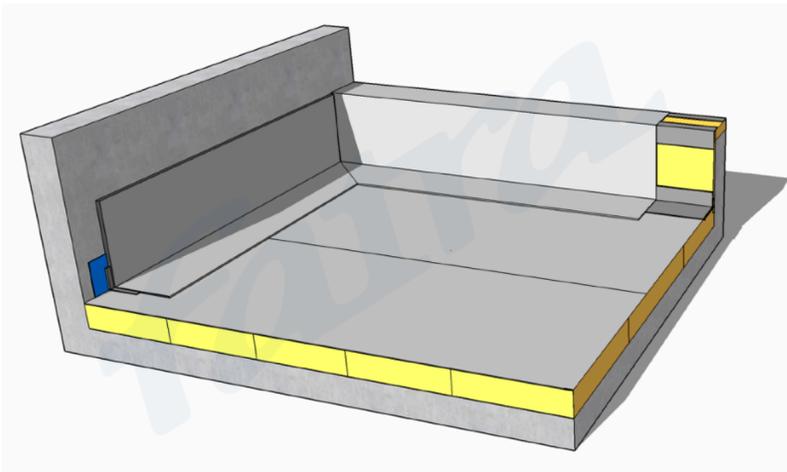


5C. Install a Fatranyl internally coated PVC angle around all vertical and horizontal junctions. Fix over the field sheet membrane and into the substrate. All angles are to be fixed at 150mm centres. Leave 2mm gap between angles to allow for expansion.



5D. 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. Ensure termination height is 100mm above planter box/green roof vegetation layer.

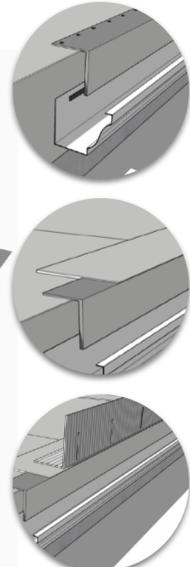
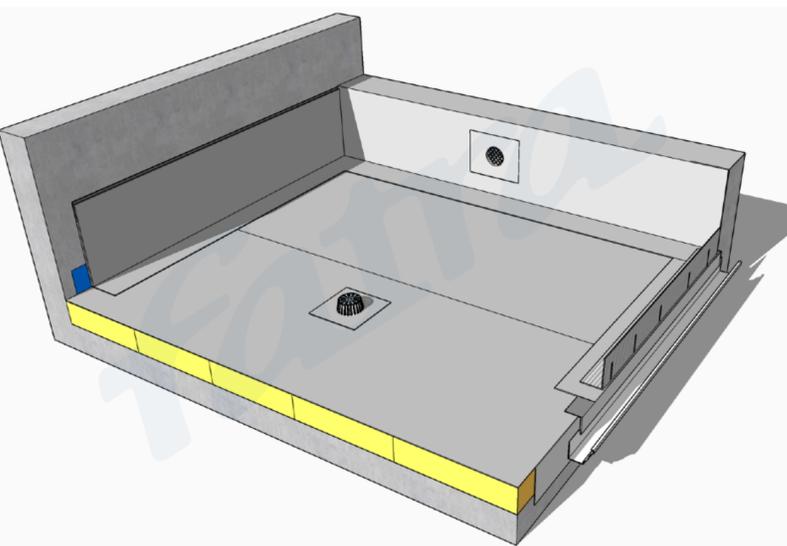
Stage 6 | Fatrafol Membrane Upturn Detailing



6A. 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.

6B. 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 8 | Eaves Gutter

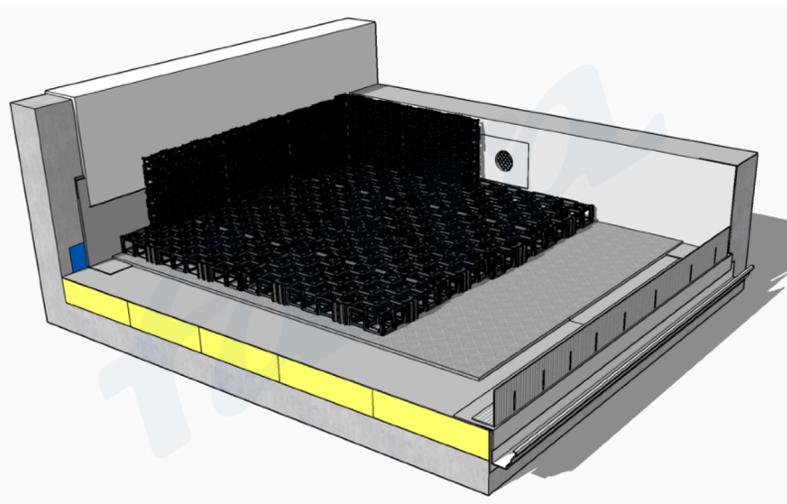


8A. Fix Fatranyl externally coated PVC metal crush and fold gutter angle at 150mm centres into the eaves gutter. Seal Fatranyl gutter angle using butyl tape to the gutter and seal angle.

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 hot air fusion weld to the PVC coated eaves gutter angle and sheet membrane accordance with Fatra technical specification and methodologies.

8C. Install a restraining angle over the membrane which does not penetrate the membrane system. Ensure the restraining angle has drain holes for rainwater and the finish height is 100mm above the planter/green roof system to avoid overspill.

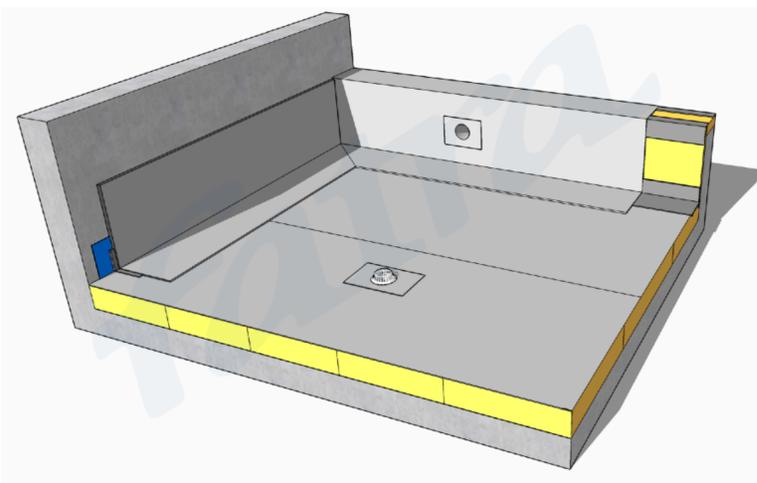
Stage 10 | Protection Layer and Drainage Cell



10A. Lay FatraTex geotextile fabric over the PVC membrane to provide protection from the drainage cell. Ensure adjoining sheets lap over one another to avoid any gaps in the FatraTex.

10B. Install drainage cell over the protection layer in accordance with Fatra and architectural specifications. Ensure Drainage cell is installed to all vertical upturns in accordance with the relevant Australia Standard and suppliers recommendations.

Stage 7 | Fatrafol Membrane Detailing



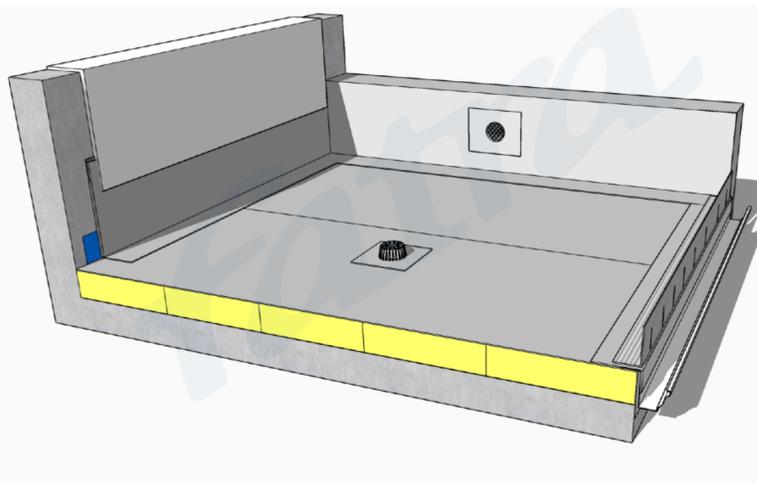
7A. Insert the specific diameter rainwater overflow and fix all four corners into the substrate. Fully weld the entire perimeter of the PVC membrane flange which is attached to the rainwater overflow to the field sheet

7B. 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

7C. Where changes in direction is present, hot air fusion weld internal/external prefabricated corner patches installed in accordance with Fatra technical specification and methodologies.



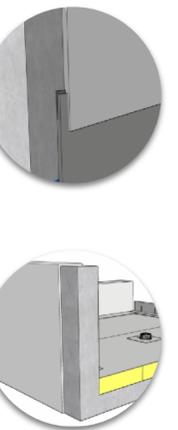
Stage 9 | Parapet Coatings



9A. Where a chase termination angle is installed, install a protective coating such as a finish render, water based liquid applied membrane or the like to protect the wall from water ingress.

The finish coating should lap at least 100mm over the PVC membrane termination to avoid any breaks in protection.

The products are to be installed in accordance with manufacturers installation guide and architectural specifications.



Stage 11 | Filter Fabric & Vegetation Layer



11A. Once the drainage cell has been completed, loose lay a filter fabric over the drainage cell ensuring a 100mm overlap on adjoining sheets. Ensure filter fabric is lapped up and over the vertical drainage cell.

This aspect maybe completed by a different contractor such as the landscaper.

11B. Once the filter fabric has been installed, the vegetation (soil, plants etc) is installed over the top. Ensure the level of soil/plants is 100mm below the termination of the PVC membrane system.

This aspect maybe completed by a different contractor such as the landscaper.

