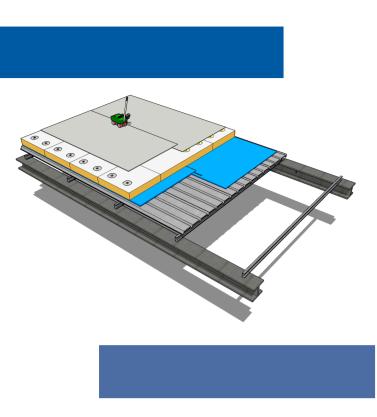


Fatra Installation Guide

This installation guide should be read and implemented in conjunction with the Fatra site specific specification, architectural drawings and associated documentation. This installation manual applies to concrete, timber and structural steel deck substrates. Fixing methods may vary depending on substrates. Please refer to site specific Fatra specification for further information.



Mechanically Fixed Insulated Systems

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

Stage 1 | Vapour Control Layer Stage 2 | Insulation Board Stage 3 | FatraPad Fixing System Roll out Fatrapar vapour control layer over substrate Lay insulation boards in a staggered brick bond pattern. Mark out fixing centres in accordance with the Fatra wind load ensuring laps run with the fall of the roof wherever calculation report. possible. Ensure 100mm overlap is achieved with all All hobs, plinths and the like are also insulated in accordance conjoining sheets. with Fatra specifications. Ensure there are no gaps or thermal Install FatraPads, telescopic tubes and fixings into substrate. Ensure bridges present between the insulation boards. all FatraPad fixings are installed as per the wind load calculation Seal all joints, laps, penetrations using butyl sealing tape 50mm from the outside edge.

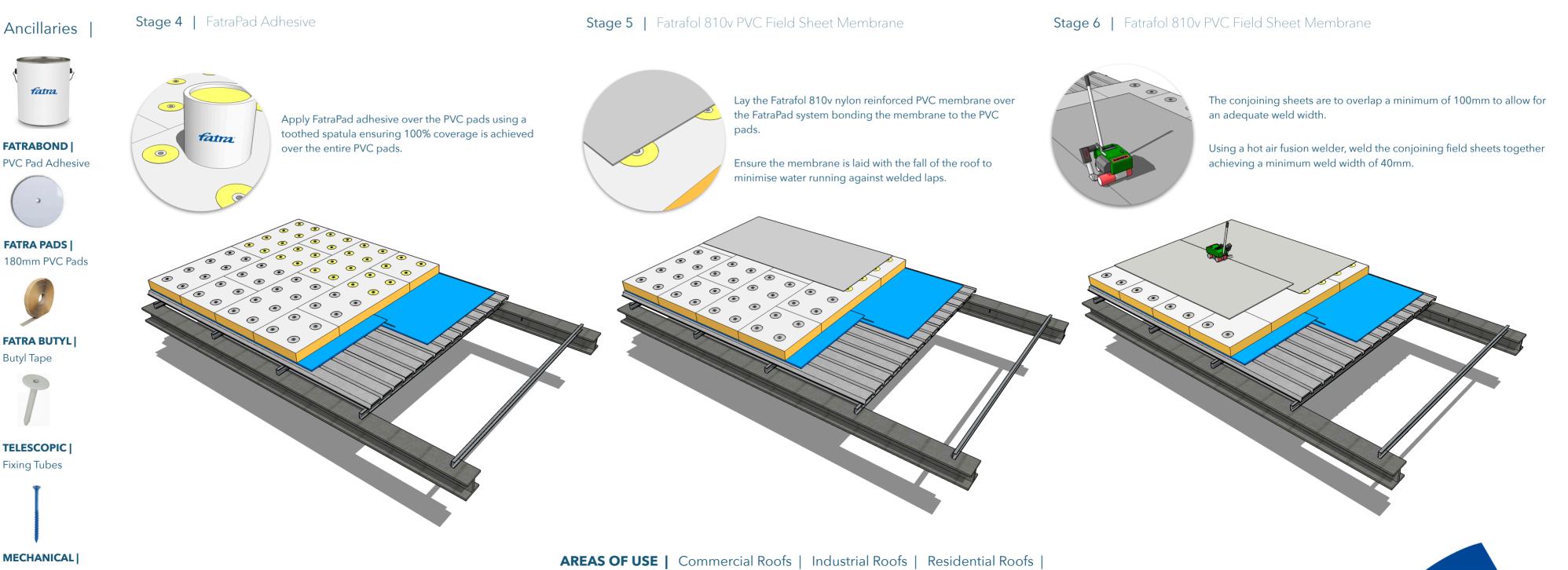


Fixing Tubes

FATRAFOL 810v

Reinforced PVC Membrane

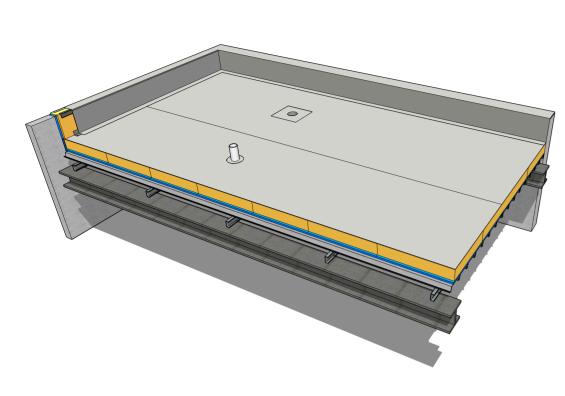
Fatranyl PVC Coated Angles



fatra

Fatra Mechanically Fixed Insulated Systems | Installation Guide

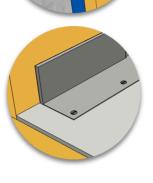
Stage 7 | Fatranyl PVC Coated Angles



7A. Install insulation board to the inside vertical/ horizontal upturns and all internal penetrations such as plinths, hobs and the like.

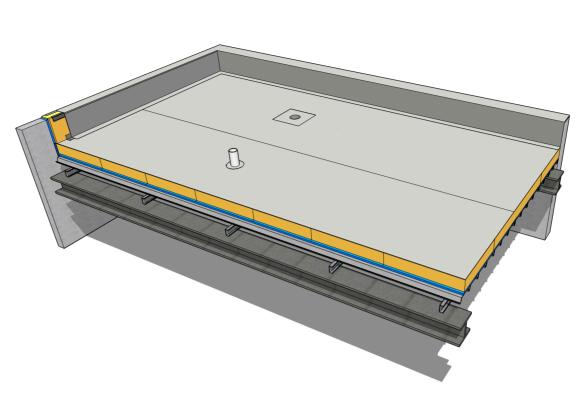


7B. Install a Fatranyl internally coated PVC angle around all vertical and horizontal junctions. Fix over the field sheet membrane and into the substrate. All angles are to be fixed at 150mm centres. Leave 2mm gap between angles to allow for expansion.



7C. 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.

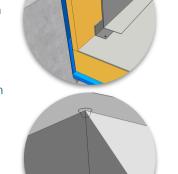
Stage 8 | Fatrafol Membrane Upturn Detailing



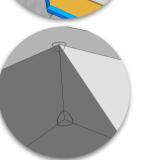
8A. Apply foil tape over expansion gap between angles. Hot air fusion weld a minimum 120mm wide membrane butt strap over expansion gaps. Weld both vertical sides of the butt strap. Ensure there is a minimum 40mm gap which is not welded to the horizontal section of the butt strap to allow for expansion.



8B. 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.

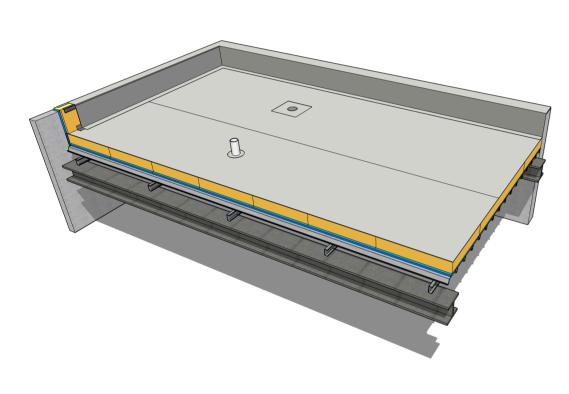


8C. Where changes in direction is present, hot air fusion weld internal/external prefabricated corner patches installed in accordance with Fatra technical specification and methodologies.



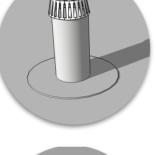
Stage 9 | Pipe & Rainwater Outlet Detailing

Stage 11 | Verge/Eaves Gutter Detailing



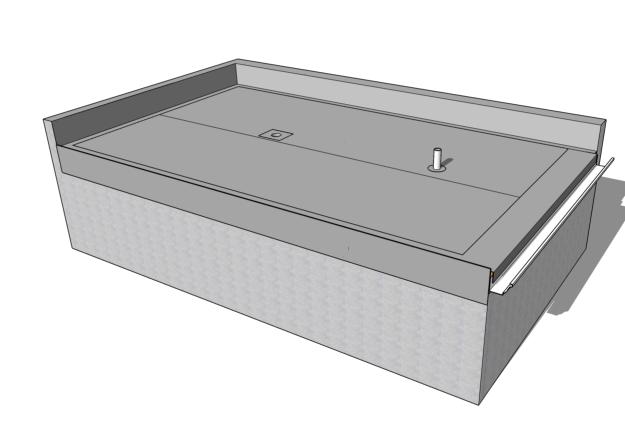
9A. Wrap prefabricated PVC pipe collars around the pipe and weld PVC membrane base flange to the field sheet. Weld the top of the prefabricated pipe collar to

Fit pipe cap over the top of the PVC pipe ensuring this overlaps the top of the prefabricated PVC pipe collar.

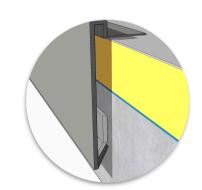


9B. Insert the specific diameter rainwater outlet and fix

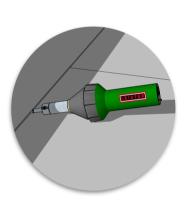
Stage 10 | Verge Detailing



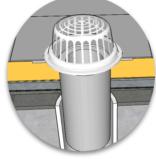
10A. Fix Fatranyl externally coated PVC metal verge angle at 150mm centres to edge of building. Verge angle is to clip onto support angle which is fixed to the structure to support verge flashing. Ensure VCL is lapping down the building and is also sealed using butyl tape against the building.



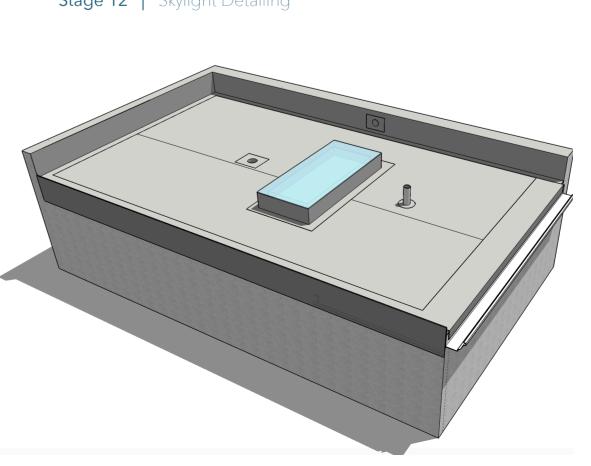
10B. Install 150mm Fatrafol 810v PVC membrane strap to the entire length of the verge edge. The PVC membrane strap is to lap onto the field sheet and install a continuous hot air fusion weld to the PVC coated verge angle and field sheet membrane.



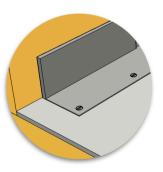
all four corners into the substrate. Fully weld the entire perimeter of the PVC membrane flange which is attached to the rainwater outlet to the field sheet membrane.



Stage 12 | Skylight Detailing



12A. Around all vertical and horizontal upturns to skylight hobs, install a Fatranyl internally coated PVC angle fixed over the field sheet membrane. All angles are to be fixed at 150mm centres. Leave 5mm gap between angles to allow for expansion. (Refer to "Stage 7 Fatranyl PVC Coated Angles)



12B. 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.

