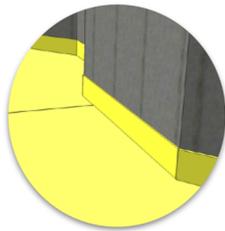


Fatra Installation Guide |



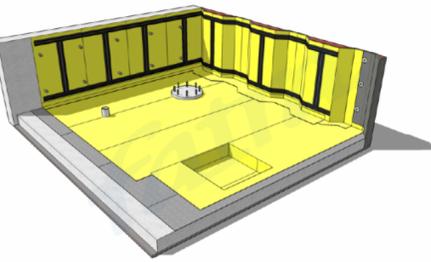
Stage 1 | FatraTex Protection Layer

Loose lay suitable protection layer over the the substrate prior to installation of the Fatrafol 803 PVC membrane ensuring a 100mm overlap is achieved on conjoining sections. This maybe required to the vertical upturns depending on the condition of the substrate.



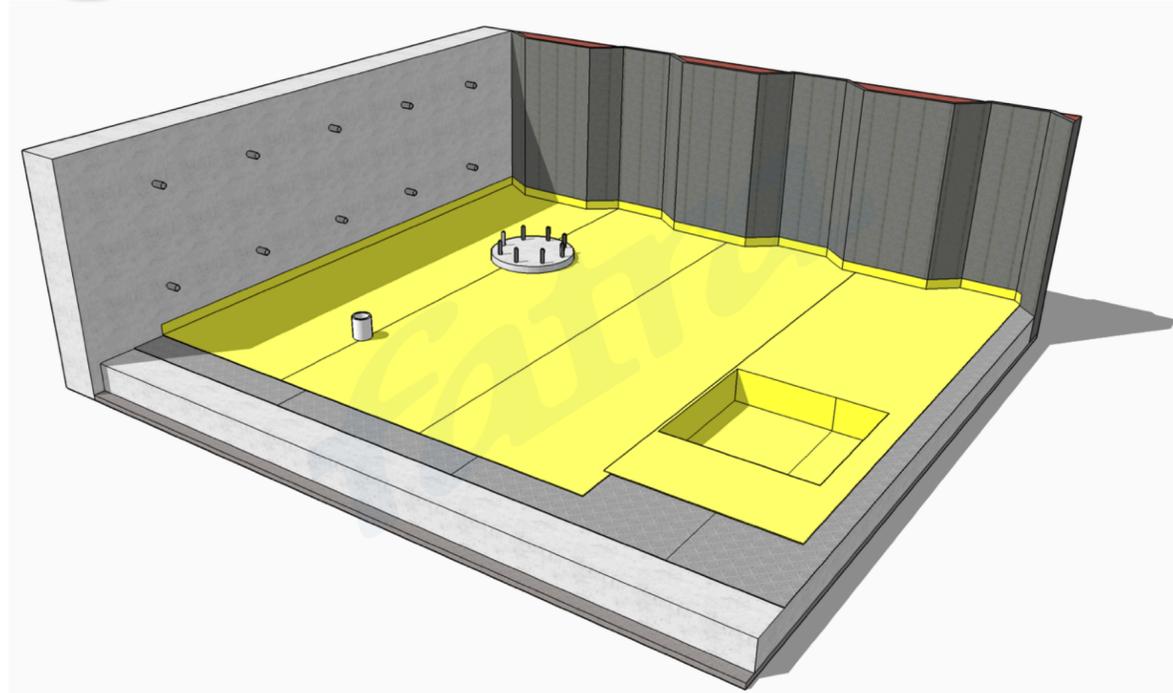
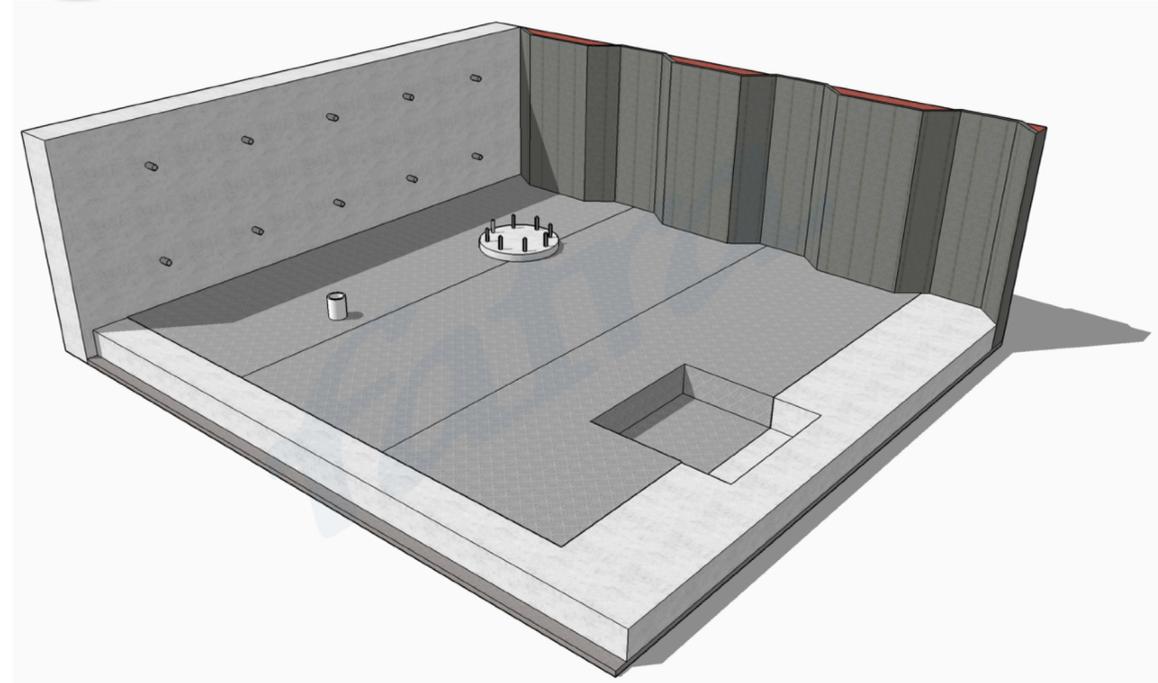
Stage 2 | Fatrafol 803 PVC Membrane

Loose lay the Fatrafol 803 PVC membrane, with the yellow signal layer faced up, over the protection layer ensuring conjoining sheets lap 100mm to provide sufficient width to complete a double hot air fusion seam weld. Ensure the field sheet membrane laps up the vertical boundary walls a minimum of 100mm



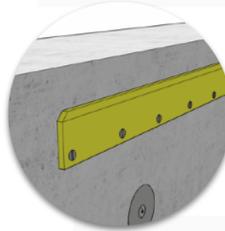
Basement System

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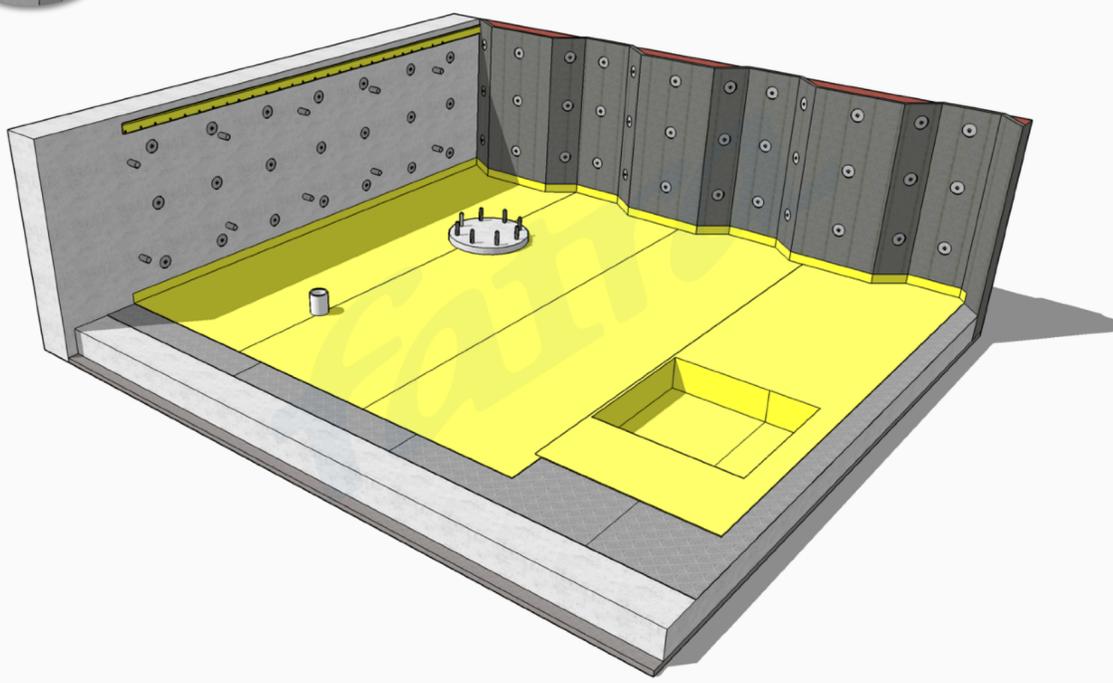
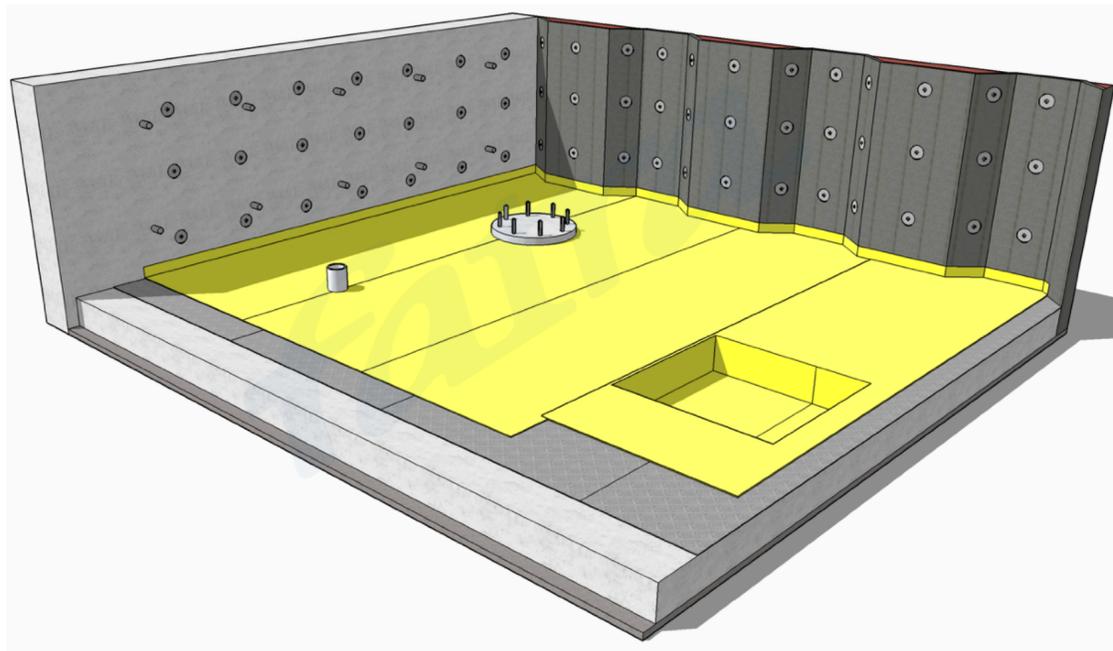
Stage 3 | Vertical Wall Membrane Fixing

Fix Fatra pressure plates using specified fixings along with Fatra PVC disks at approximately 500mm to the vertical wall. Apply Fatrabond Pad adhesive to the PVC disks which will solvent weld the membrane to the fixing system to hold into place prior to welding. Fixings centres may vary depending on site specific parameters.

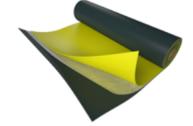


Stage 4 | Vertical Wall Termination

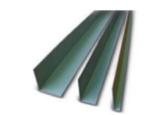
If the membrane is to be terminated to the inside vertical face, fix a Fatranyl PVC coated pressure seal angle at 200mm centres at the designated height of the termination. Apply epoxy to the back of the PVC angle prior to fixing into place. This will be used to hot air fusion weld the vertical membrane piece at a later time. Alternative detailing is available depending on the site specific requirements.



Components |



FATRAFOL 803 |
Yellow/Black Membrane



FATRANYL |
Fatranyl PVC Coated Angles



PMMA |
Poly Methyl Methacrylate



FATRAPAD ADHESIVE |
Solvent Adhesive

Ancillaries |



FATRA PLATE |
40mm Pressure Plate

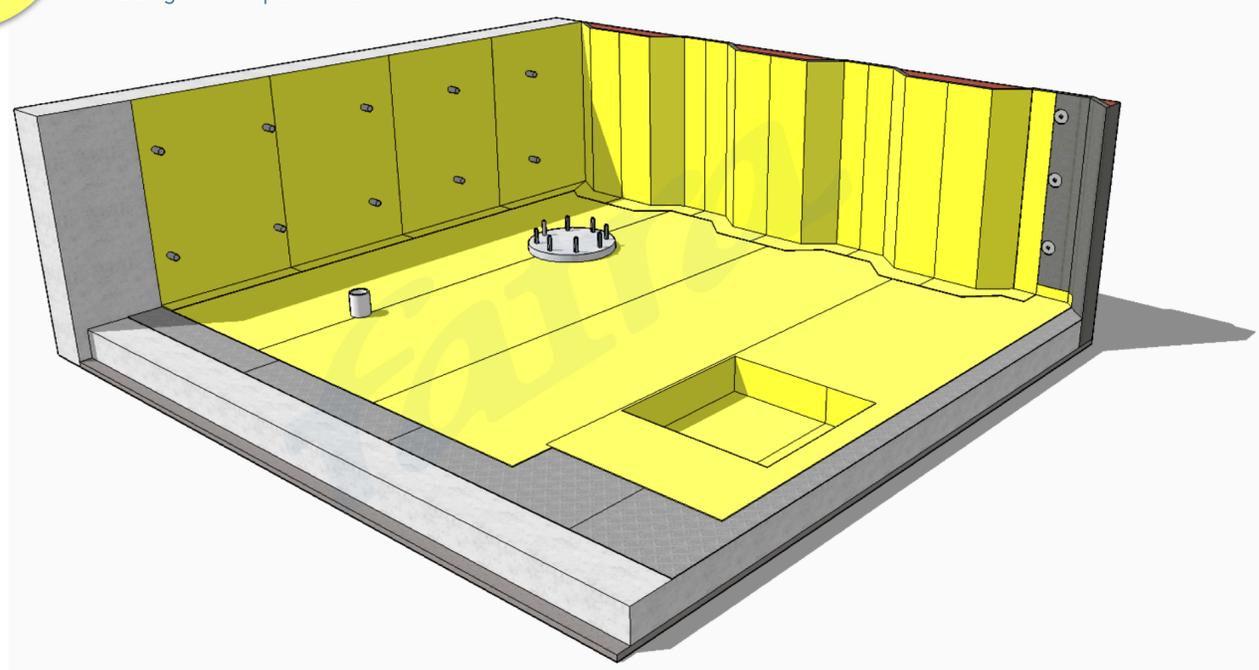
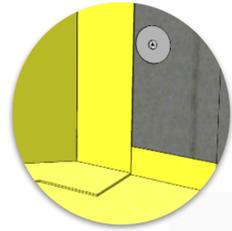


MECHANICAL |
Fixings

Fatra PVC Basement System | Installation Guide

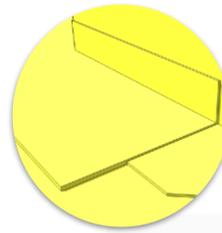
Stage 5 | Vertical Wall Membrane

Once the Fatrapad adhesive has been applied to the Fatra PVC pads, hang the vertical wall membrane into place. Ensure the vertical wall membrane laps a minimum of 100mm onto the field sheet membrane and conjoining vertical wall membrane to complete a double hot air fusion seam weld. Ensure the vertical wall membrane has sufficient slack to avoid over stressing the membrane during concrete placement. It should be sufficiently snug to the surface to avoid folds developing during concrete placement.



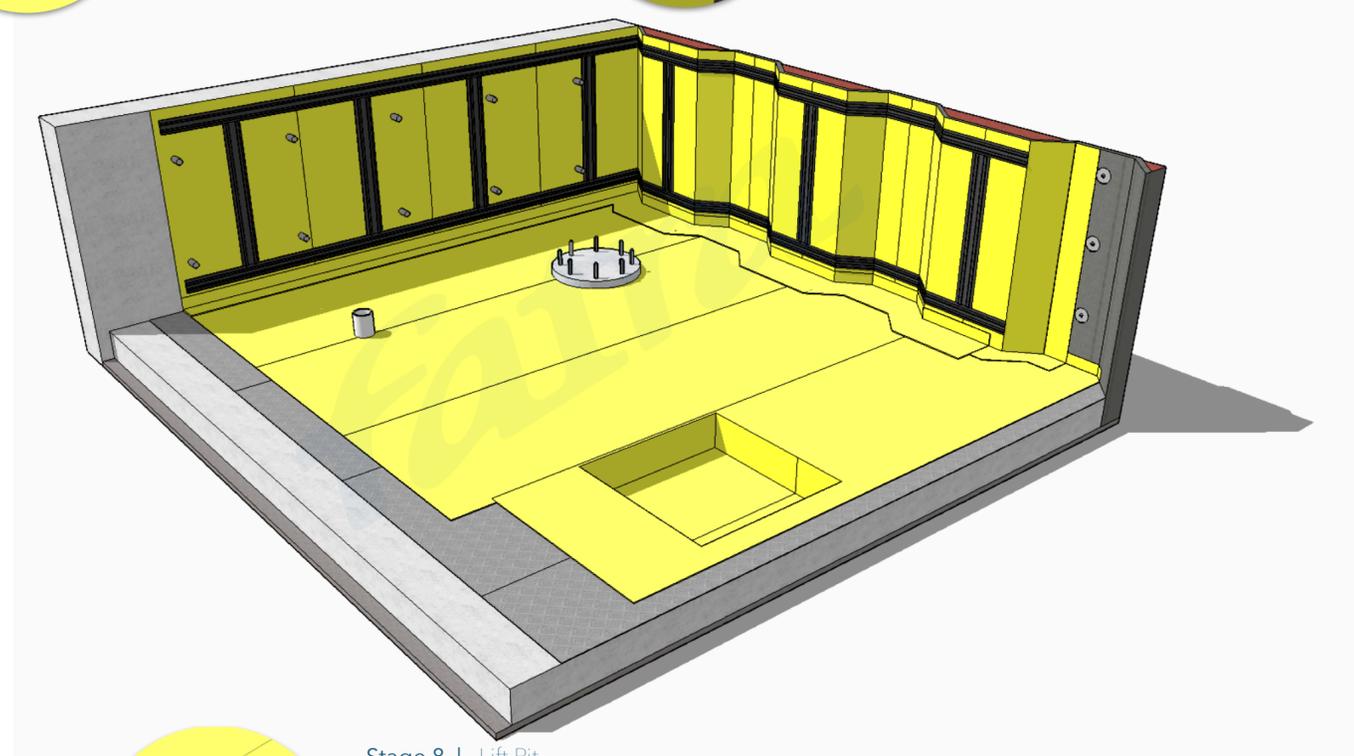
Stage 6A | PVC Membrane Strap

Once the wall membrane has been installed and fully welded, hot air fusion weld a sacrificial membrane strap at the base of the horizontal surface and vertical walls to provide protection to the membrane when the concrete topping slab has been installed.



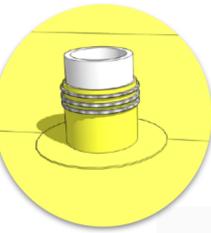
Stage 6B | Waterstops

Where required, Fatra PVC waterstops are to be installed on the surface of the PVC membrane. The locations of the waterstops shall be marked out by a surveyor. To achieve the compartmentalisation effect, the waterstop is to be hand welded on both longitudinal edges to the primary membrane



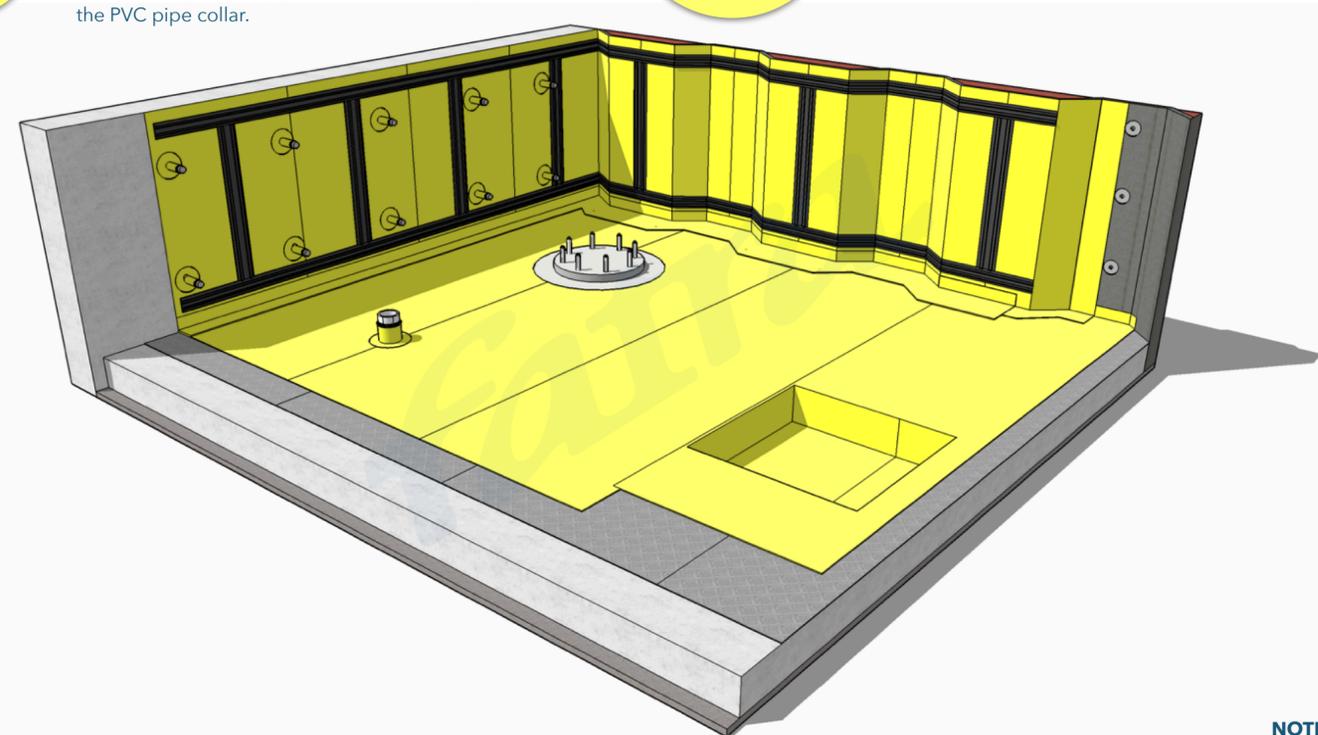
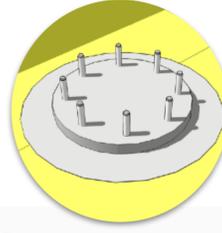
Stage 7A | Pipe/Post Penetrations

Where there are reinforcement bars, drainage pipes and the like, the use of Fatra prefabricated pipe collars is required. Install a suitable epoxy resin to the penetration prior to installation of PVC collar. Hot air fusion weld the collar to the PVC pipe and to the field sheet membrane. Install 3 stainless steel pipe clamps slightly below the top of the PVC pipe collar and tighten. Apply a final bead of epoxy to the top of the PVC pipe collar.



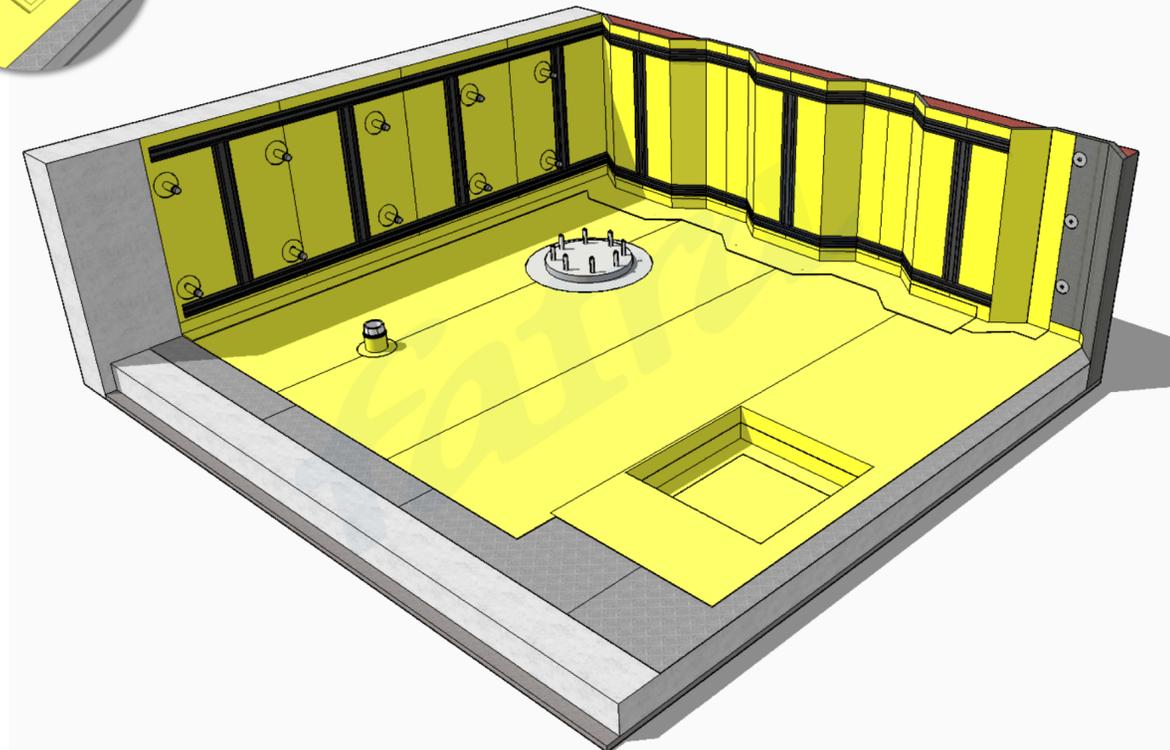
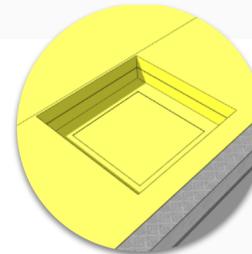
Stage 7B | Concrete Pile

Prime the concrete pile, PVC membrane and reinforcement bars using the relevant PMMA primer. Apply first coat of PMMA resin over the primer lapping onto the membrane and up the reinforcement bars. Follow this step a second time to fully coat concrete pile.



Stage 8 | Lift Pit

Where a lift pit is present, hot air fusion weld a sacrificial membrane strap at the base of the horizontal surface and vertical walls to provide protection to the membrane when the concrete topping slab has been installed.



NOTE:

Please note the membrane termination to a concrete or sheet pile wall is not included in this installation guide. Various different methods of terminations are possible depending on site specific structures and requirements. Fatra Australia will provide a site specific specification for each individual project outlining all specific methods of termination and methodologies.