Waterproofing Bathrooms

CONCRETE PROTECTION
WATERPROOFING SOLUTIONS

Old floors and cement sheeting may require a vapour barrier preparation

Prior to waterproofing the bathroom, some floors may require a vapour barrier to be installed. The vapour barrier to stop moisture from below lifting the waterproofing membrane.

Two part water based epoxy products are ideal for this purpose.

Materials for the job

- Poly urethane for corking
- poly cloth reinforcing fabric
- Fibreflex waterproofing membrane

Cut in joints

- cork joints with poly urethane
- apply reinforcing fabric

1 Apply Fibreflex to surface and lay Polycloth into the corners, smoothed into the wet surface

2 Apply a coat of Fibreflex over the surface of the Polycloth ensuring the coating penetrates the fibres of the Polycloth

3 Repeat the process for the vertical corners

4 Apply a second coat of Fibreflex to the entire area

Membrane covering walls and floor

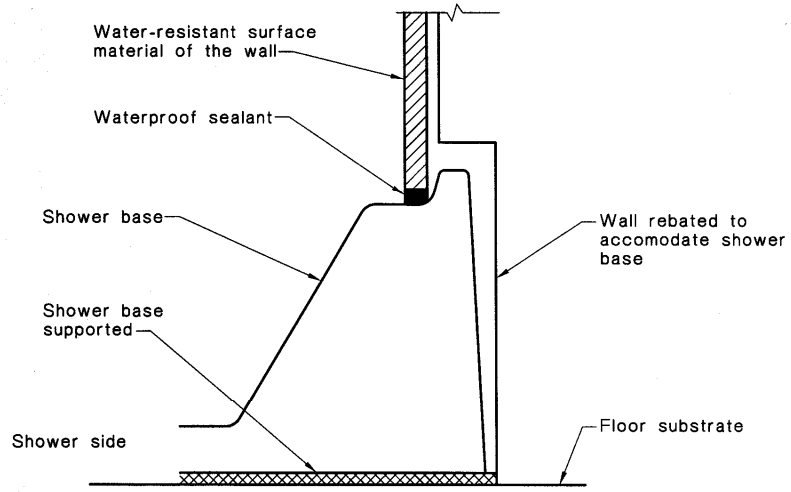
Coat entire shower area

Two coats over walls and floor

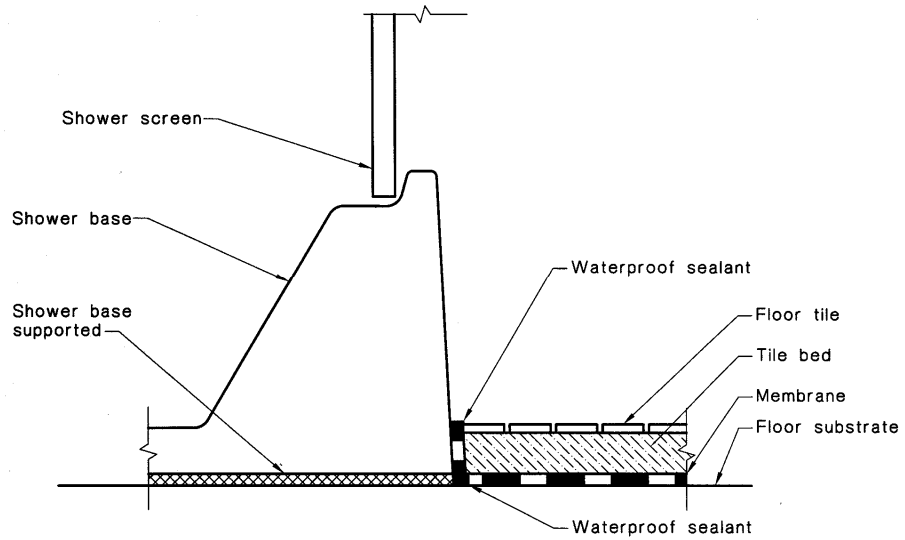
Reference diagrams from the Standard

AS3740 – waterproofing of wet area within residential buildings

Shower Base



(a) Typical preformed shower base wall/floor junction

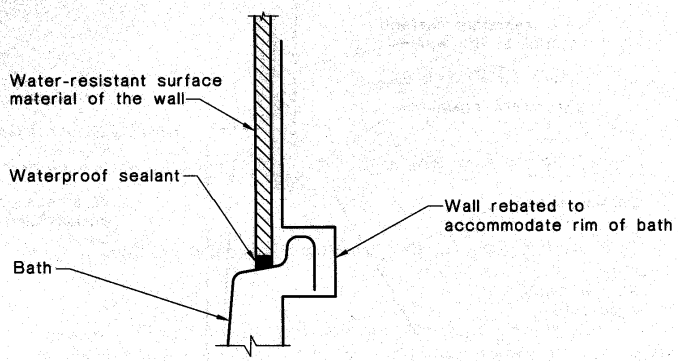


(b) Typical preformed shower base/floor junction on timber floors, including particleboard, plywood and other timber materials

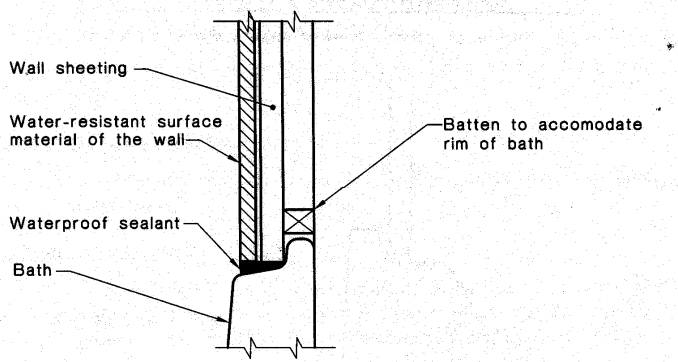
FIGURE 5.1 TYPICAL PREFORMED SHOWER BASE JUNCTIONS

AS3740 – waterproofing of wet area within residential buildings

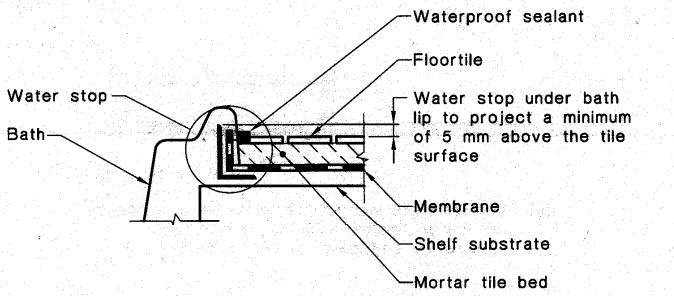
Bath Junction



(a) Bath/shelf junction-recessed



(b) Bath/shelf junction-battened



(c) Bath/shelf junction

FIGURE 5.2 TYPICAL BATH JUNCTION

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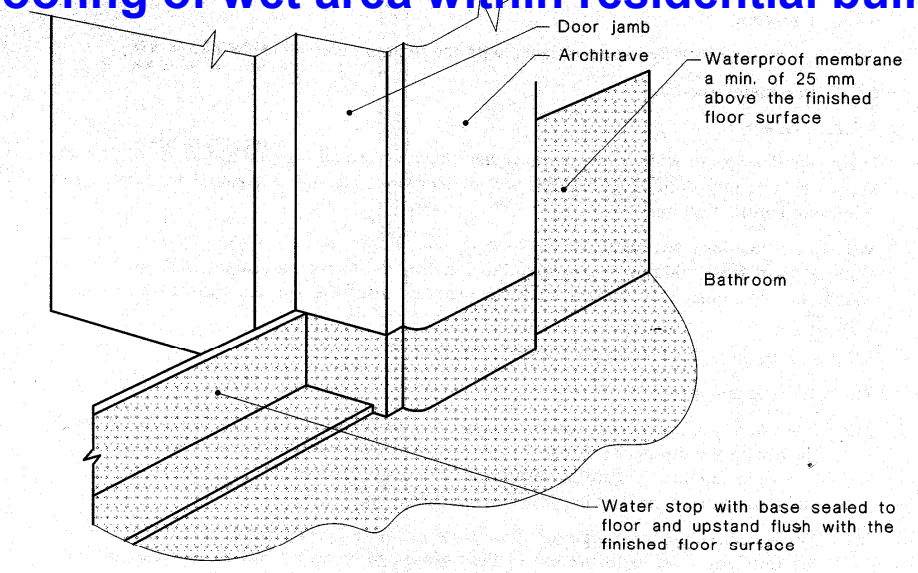
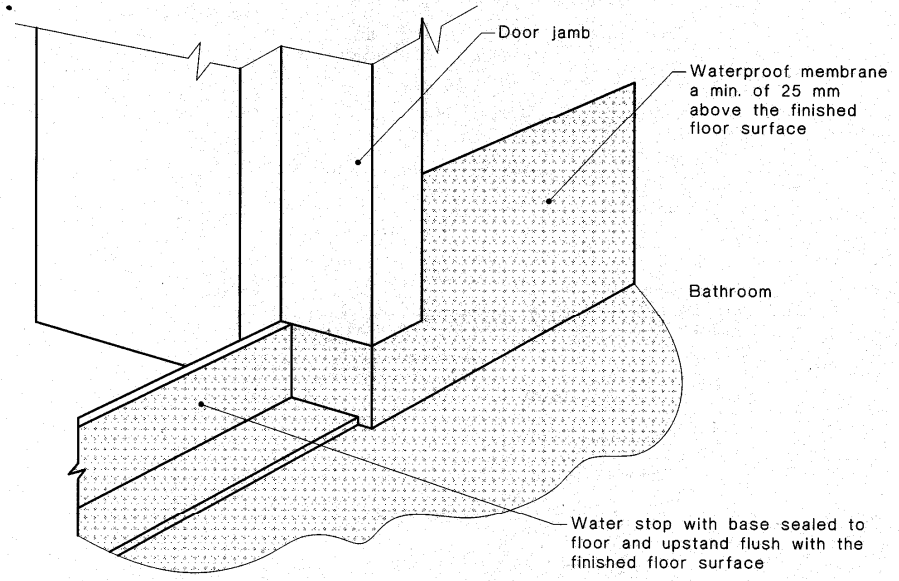
Minimum Membrane coverage



(a) After installation of architrave



(b) Prior to installation of architrave

FIGURE 5.3 TYPICAL BATHROOM DOOR DETAIL FOR WHOLE BATHROOM WATERPROOFING

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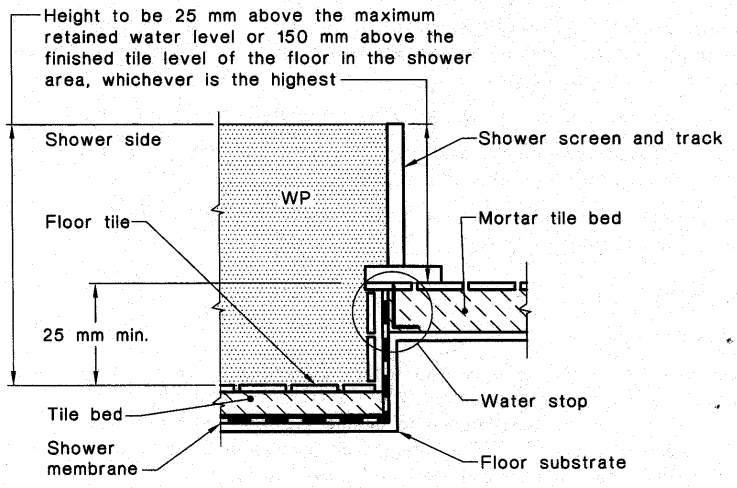
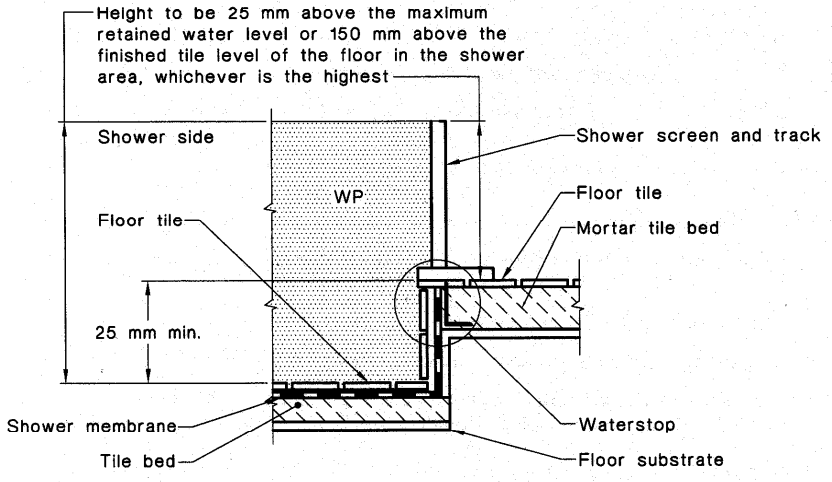
Stepped down
Shower Construction



(a) Enclosed shower—Membrane below tile bed



(b) Enclosed shower—Membrane above tile bed

FIGURE 5.4 (in part) TYPICAL STEPPED DOWN SHOWER CONSTRUCTION

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- Drainage termination
- Hob construction
- Hobless construction

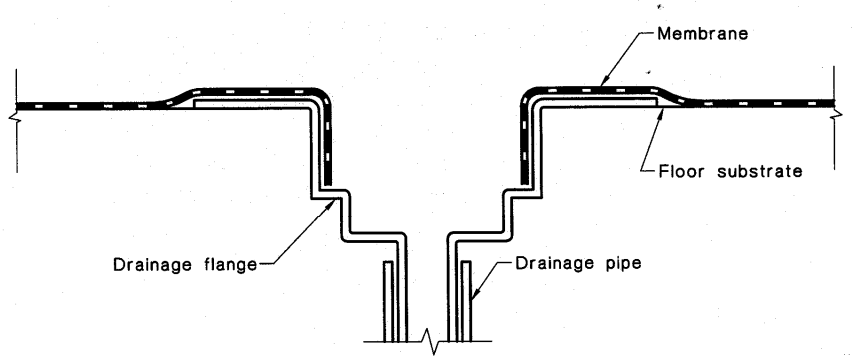


FIGURE 5.10 TYPICAL MEMBRANE TERMINATION AT DRAINAGE OUTLET

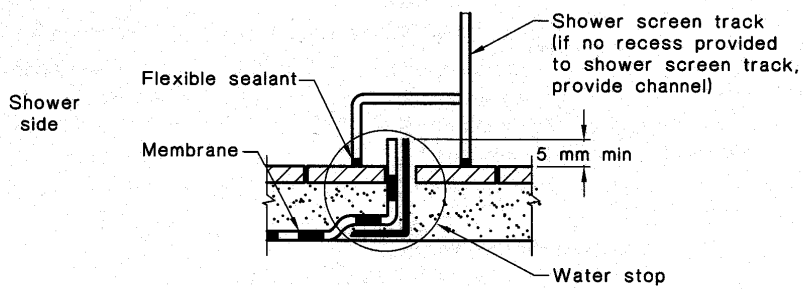


FIGURE 5.8 TYPICAL HOBLESS CONSTRUCTION

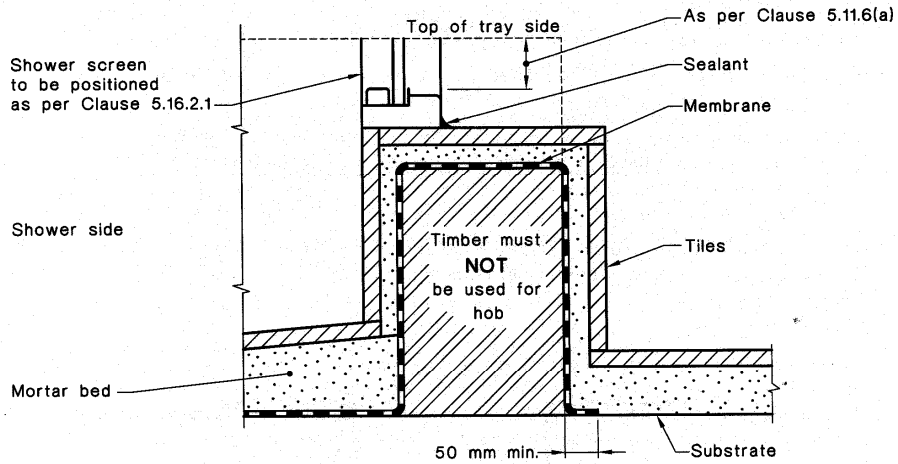
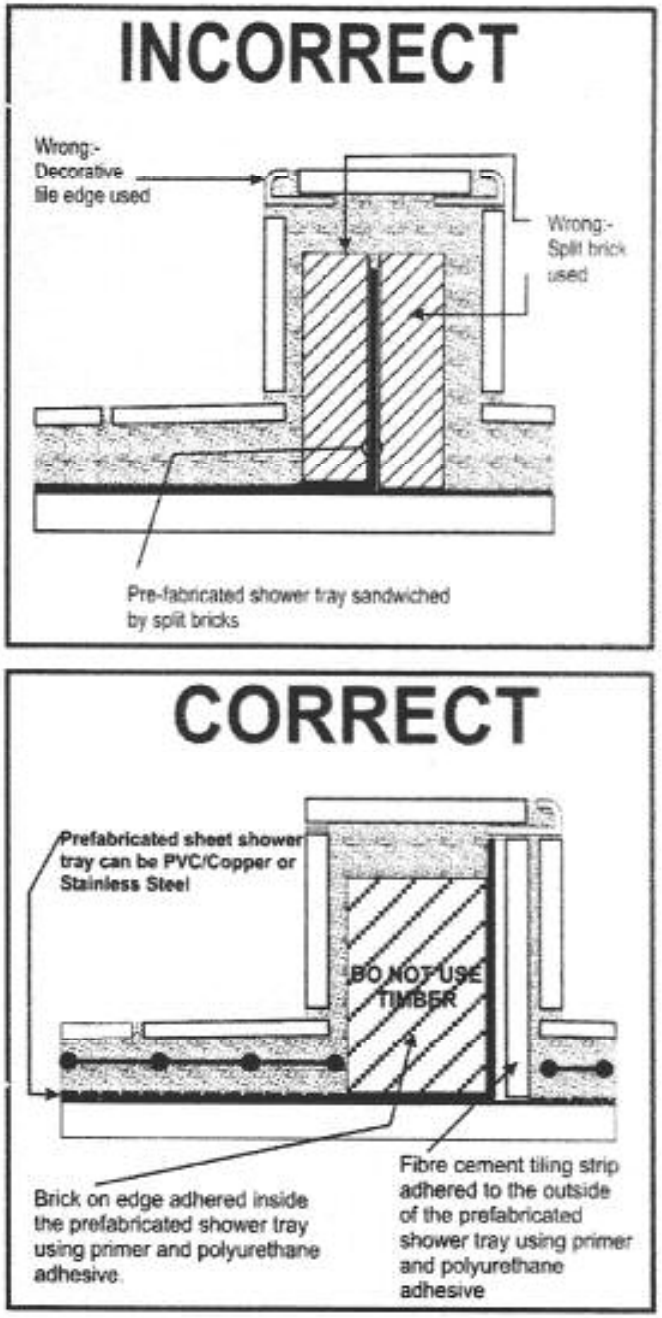
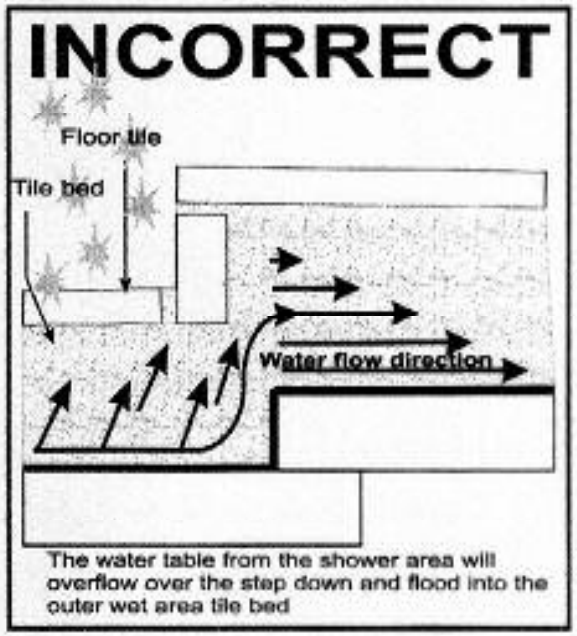


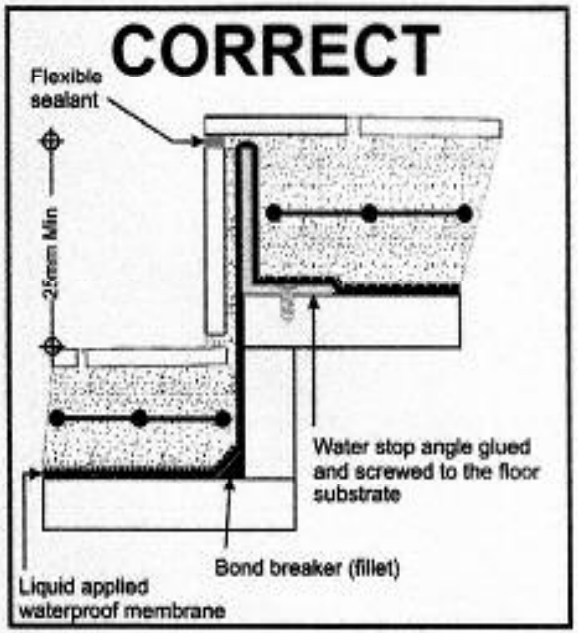
FIGURE 5.11 TYPICAL HOB CONSTRUCTION—INTERNAL MEMBRANE

Example 2. Defective hob installation in sheet membranes



Example 5. Defective step down shower using a liquid applied membrane





Example 6. Defective hobless shower liquid applied membrane

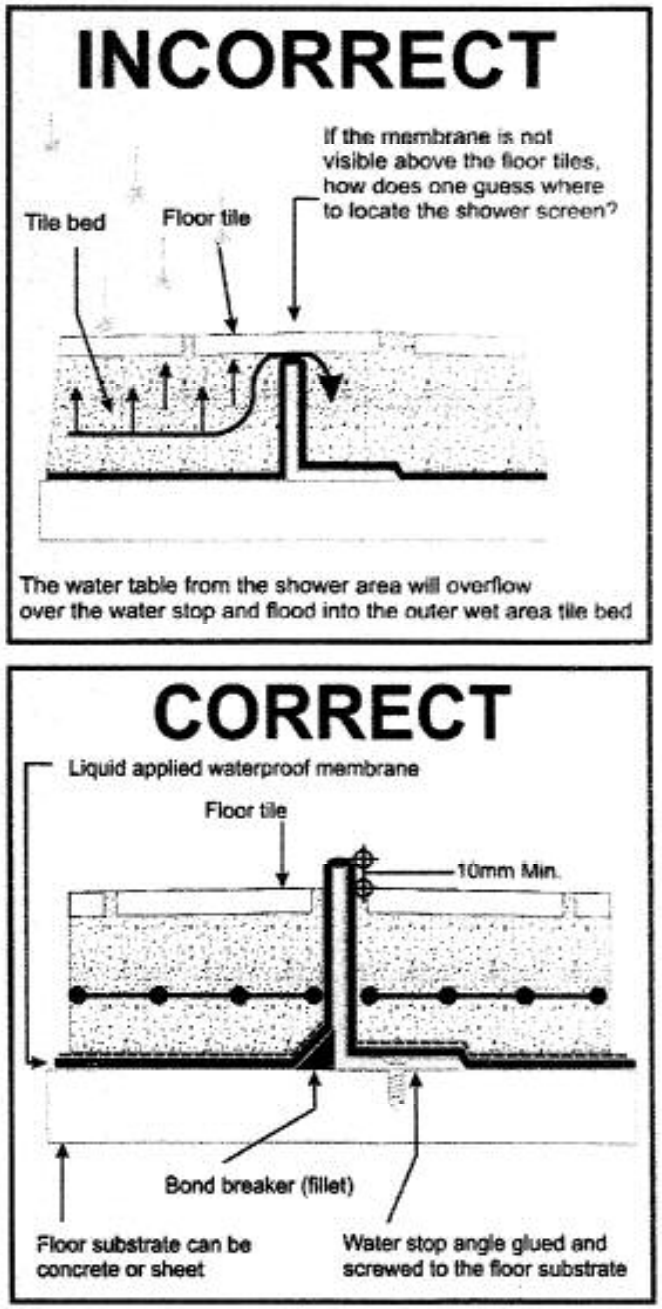


Figure 14. Typical liquid applied membrane termination detail into drainage pipe where the membrane has been applied over the tile screed