

PLANTER BOX DETAIL/LANDSCAPE

WATERPROOFING TO PLANTER BOX SPECIFICATION - WITH SCREED

1. Key Metrics:

- 1.1. Ensure concrete floors are level, smooth, and free of voids, protrusions, and cracks.
- 1.2. All falls must have a 1:100 degree slope/fall in the substrate.
- 1.3. Installation shall adhere to AS654.2 2012 Waterproofing membrane systems for internal use.
- 1.4. Cross-reference NCC 2022 Volume Two - Building Code of Australia Class 1 and 10 buildings.

2. Preparation:

- 2.1. All surfaces to be waterproofed must be firm, clean, dry, sound, and smooth.
- 2.2. Remove all grease, oil, wax, curing compounds, loose material, paint, and contaminants, rectifying surface defects.
- 2.3. Conduct moisture meter and substrate surface temperature readings before commencing waterproofing.

3. Drainage Outlets:

- 3.1. Retrofit drainage outlets with AS4654.2 :2012 regulated puddle flanges if not cast-in-situ within the substrate.
- 3.2. Recess the puddle flanges into the substrate to ensure they do not protrude above the surface.
- 3.3. Use ACTNOW 100mm RUBBER PUDDLE FLANGE as per TDS and recess with INNOVATIVE TOOLS RECESS DISC KIT.

4. Primer Application:

- 4.1. Apply ACTFLEX EP-250 to all floor and wall areas, including the top and external face of planter box walls, extending to the external landscape floor and upturn areas.
- 4.2. Ensure all pipe penetrations are primed with ACTFLEX SUPER BOND 007 to a minimum of 50mm downturn into the floor waste and 100mm upturns around PVC pipes.

5. Joint Sealant:

- 5.1. Apply a 15mm X 15mm fillet of ACTFLEX 75 FC joint sealant on all floor/wall corner junctions, including pipe penetrations. Apply a 15mm X 15mm fillet of ACTFLEX MS PRO joint sealant to the external landscape floor corner junction areas.

6. Floor Wastes:

- 6.1. Install ACTNOW 100mm RUBBER PUDDLE FLANGE to all floor wastes using ACTFLEX 75FC or ACTFLEX MS PRO to fix the flange securely to the floor and primed PVC pipe surface.
- 6.2. Ensure proper adhesion of the flange to the PVC pipe and concrete flooring.

7. Membrane Application:

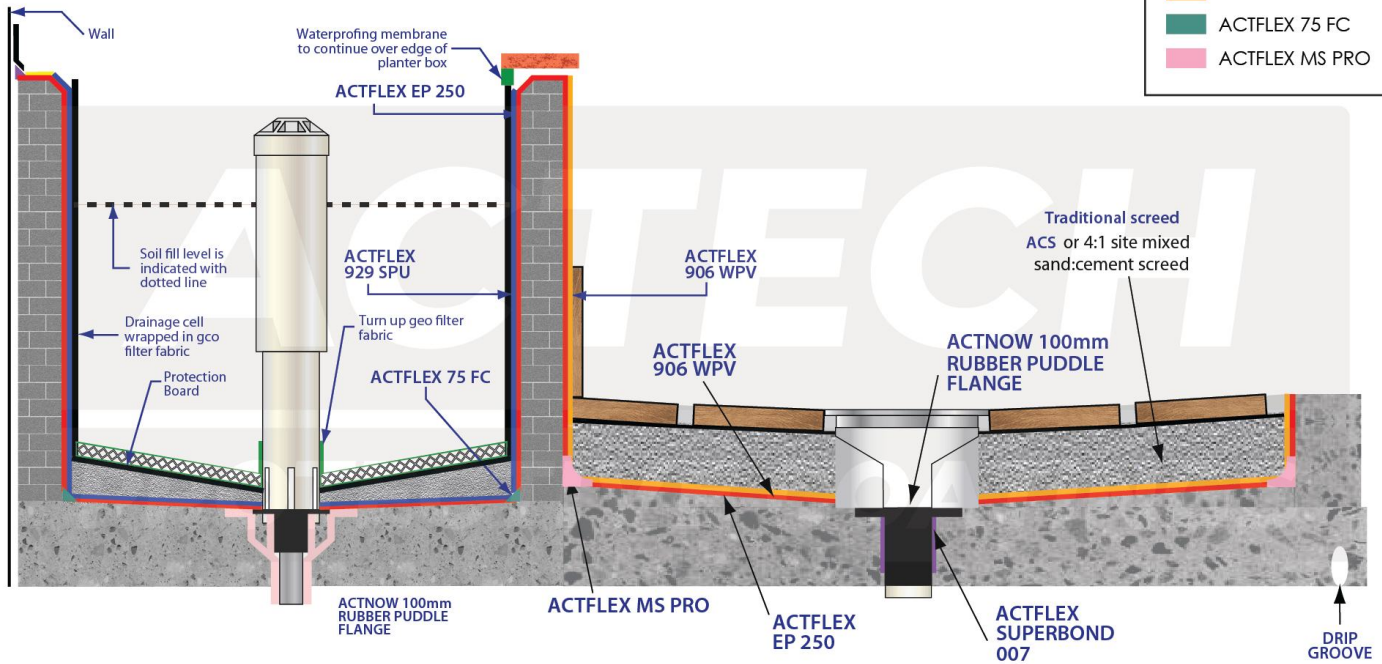
- 7.1. Apply a minimum of 2 coats of ACTFLEX 929 SPU membrane to the planter box floor areas, extending at up the wall 50mm past the soil level, achieving a total dry film thickness of 1.2mm or 1200 microns and 1.0mm on walls areas.
- 7.2. Apply ACTFLEX 906 WPU to the top of the planter box wall extending down to the external face of the planter box wall. 75mm of the external floor area.
- 7.3. Allow 24 hours dry time between coats and 48 hours for full cure @ 25°C and 50% R.H.

Membrane Protection:

- 8.1. After full cure of the waterproofing system, install HIFLOW DRAINAGE CELL on planter box walls and floor area, overlapping each other by 100mm at the joints.

LEGEND

- ACTFLEX EP250
- ACTFLEX 929 SPU
- ACTFLEX 906 WPV
- ACTFLEX 75 FC
- ACTFLEX MS PRO



The provided drawings and waterproofing details are intended to serve as general guidelines. It is the responsibility of the user to ensure the correct application of the products as per the specified instructions. These details are not exact to site-specific conditions and must be thoroughly reviewed and clarified prior to installation. It is imperative that all site conditions and any potential variations are considered, and that necessary adjustments are made to suit the specific requirements of the project. Any discrepancies or uncertainties should be addressed and resolved in consultation with our technical support team to ensure proper implementation.

DETAIL NAME
DRAWING NUMBER
SIGNED BY
DATE



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