

PLANTER BOX DETAIL (SCREED)

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 Hydrostatic pressure primer to all floor and wall areas.
- 4.3. Allow 24 hours after the final coat to cure @ 25°C and 50% R.H.
- 4.4. Ensure all pipe penetrations are primed 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.

6. Floor Wastes:

- 6.1. Install ACTNOW 100mm RUBBER PUDDLE FLANGE to all floor wastes using ACTFLEX 75FC 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 floor areas, extending at least 150mm in upturn applications, achieving a total dry film thickness of 1.2mm or 1200 microns.
- 7.2. For wall applications, achieve a DFT thickness of 1.0mm or 1000 microns.
- 7.3. Allow 24 hours dry time between coats and 48 hours for full cure @ 25°C and 50% R.H.
- 7.4. After final cure of ACTFLEX 929 SPU, ACTFLEX EP-250 primer to be installed on the horizontal face of the top of the planter box, with a minimum 100mm downturn to overlap the cured ACTFLEX 929 SPU for acrylic render/paint adhesion.

8. Over-Screed Membrane:

- 8.1. Apply two coats of ACTFLEX EP-250 Hydrostatic pressure primer to all floor and wall areas
- 8.2. Apply a minimum of 2 coats of ACTFLEX 929 SPU membrane to floor areas, extending at least 150mm in upturn applications, achieving a total dry film thickness of 1.2mm or 1200 microns.
- 8.3. Allow 24 hours dry time between coats and 48 hours for full cure @ 25°C and 50% R.H.

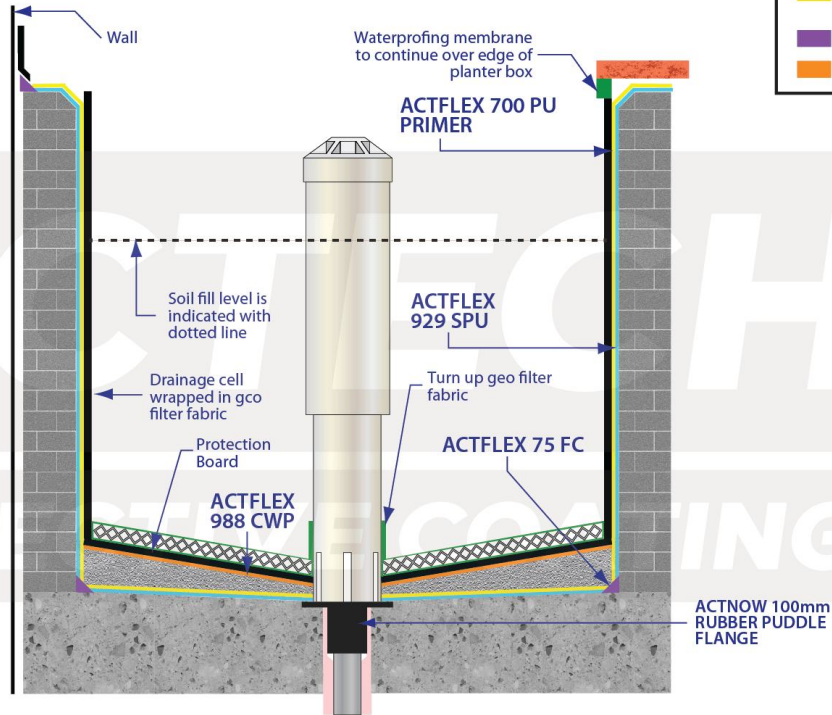
9. Membrane Protection:

- 9.1. 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.

PLANTER BOX CONSTRUCTION

LEGEND

- ACTFLEX 929 SPU
- ACTFLEX 700 PU PRIMER
- ACTFLEX 75 C
- ACTFLEX 988 CWP



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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