

BALCONY WITH EXTERNAL SLAB SOFFIT

WATERPROOFING TO BALCONY WITH EXTERNAL SLAB SOFFIT

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 other contaminants.
- 2.3. Conduct moisture meter and substrate surface temperature measurements before commencing any waterproofing systems.

3. Drainage Outlets:

- 3.1. Retro fit all drainage outlets to comply with AS4654.2 2012 regulated puddle flanges.
- 3.2. Recess the Puddle Flanges (if not cast-in-situ) into the substrate without protruding above it.

4. Primer Application:

- 4.1. Apply 1 coat of ACTFLEX EP-250 PRIMER or ACTFLEX 700 PRIMER to all floor areas, including a minimum of 150mm upturns on balconies and terraces.
- 4.2. Allow 24 hours cure @ 25°C and 50% R.H. for ACTFLEX EP-250 PRIMER or 1-3 hours to dry @ 25°C and 50% R.H. for ACTFLEX 700 PRIMER.
- 4.3. Prime all pipe penetrations with ACTFLEX SUPER BOND 007 primer.

5. Joint Sealant:

- 5.1. Apply a 15mm x 15mm fillet of ACTFLEX 75 FC joint sealant on all floor/wall corner junctions and pipe penetrations.
- 5.2. Allow 20-60 minutes drying time to achieve a tack-free finish.

6. Floor Wastes:

- 6.1. After priming, install ACTNOW 100mm RUBBER PUDDLE FLANGES on all floor wastes using ACTFLEX 75FC joint sealant to secure the wall and lip of the flange to the floor and primed PVC pipe surface.
- 6.2. Ensure secure adhesion of all flange surfaces to the PVC pipe and concrete flooring by applying hand pressure.

7. Waterproofing Membrane:

- 7.1. Apply a minimum of two coats of ACTFLEX 929 SPU membrane to the previously primed surfaces for entire roof floor area, including upturns, hobs, parapet walls, and drainage outlets.
- 7.2. Achieve a Dry Film Thickness (DFT) of 1.2mm or 1200 microns with a coverage of approximately 8-10m² finished dry film thickness.
- 7.3. Allow 24 hours drying time between coats and 48 hours after the final coat at 25°C and 50% R.H.

8. External Slab Soffit - Drip Groove:

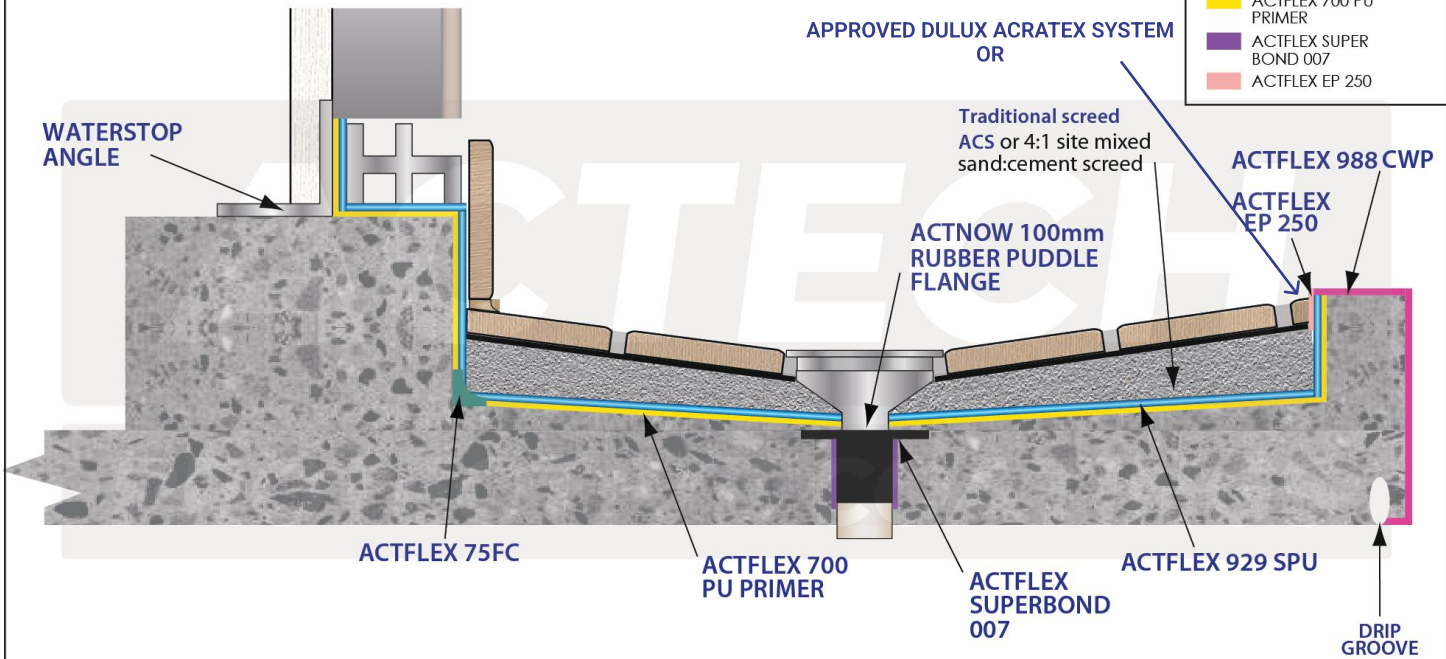
- Option 1:
- Apply ACTFLEX EP 250 on the internal face of the hob, extending over the top of the hob to the external face.
 - Once cured, apply 2 coats of ACTFLEX 988 CWP to the external face of the hob/soffit, extending to the drip grip. Allow 24 hours to dry after the final coat.
- Option 2:
- Apply ACTFLEX EP 250 on the internal face of the hob, extending over the top of the hob to the external face.
 - Then apply the approved Dulux Acratex facade weatherproof system to the external face of the hob/soffit, extending to the drip grip.

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BALCONY DETAIL

LEGEND

- ACTFLEX 988 CWP
- ACTFLEX 929 SPU
- ACTFLEX 75FC
- ACTFLEX 700 PU PRIMER
- ACTFLEX SUPER BOND 007
- ACTFLEX EP 250



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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