WP321 Waterproofing Lightweight FC Sheeting

Preparation:

1. All surfaces to be waterproofed must be firm, clean, dry, sound and smooth. All grease, oil, wax, curing compounds, loose material, paint and any other contaminants must be removed, masonry surfaces must be pointed flush and surface defects repaired. New concrete must be cured for a minimum of 28 days.

2. External corners to be waterproofed must be bevelled to ensure a smooth transition of membrane from vertical to horizontal surfaces.

Installation:

1. Waterproofing installation shall be in accordance with the applicable provisions of the National Construction Code.
   Tile installation shall be in accordance with AS 3958 Installation of Ceramic and Stone Tiles.

2. Recess outside edge of balcony to accommodate **TPA Tile Edge Balcony Trim** if required. Fix balcony trim using **WPA MS** or **WPA SPUR** and/or Class 3 galvanized screws.

   WPA MS is a single component, moisture cured silane modified hybrid sealant.

   WPA SPUR is a high quality, professional, universal, low modulus sealant based on hybrid technology.

3. Prime PVC and other non-porous substrates using **WPA 160** primer.

   WPA 160 is a specialised solvent free primer designed for enhancing the adhesion of subsequent membranes, adhesives, toppings and decorative finishes over non-porous substrates.

4. Apply **WPA 460** or **WPA 560** primer to the substrate being waterproofed.

   WPA 460 is a two-part, water-based epoxy primer, used to seal concrete and masonry surfaces.

   WPA 560 is a two-part, water-based epoxy primer, designed as a water and vapour proof coating under waterproofing membranes.

5. Apply **WPA 200** membrane in a minimum of two coats to achieve the required dry film thickness. Ensure that the previous coat has completely dried before applying the subsequent coat(s). NOTE: All penetrations must be waterproofed.

   WPA 200 is a flexible, two-part, rapid drying, cementitious waterproofing membrane system, specifically designed for use under tile, stone and exposed applications.

6. All transitions must be detailed utilising **WPA Elastoband**.

   WPA Elastoband is an innovative detailing system designed for waterproofing and sealing all types of joints, junctions and transitions subjected to movement.

7. Install tiles using **TPA 401M**, **TPA 501R** or **TPA Lite** tile adhesive.

   TPA 401M is a white, flexible, powdered adhesive for wall and floor applications.

   TPA 501R is a cost effective, high coverage, flexible, powdered adhesive for wall and floor applications.
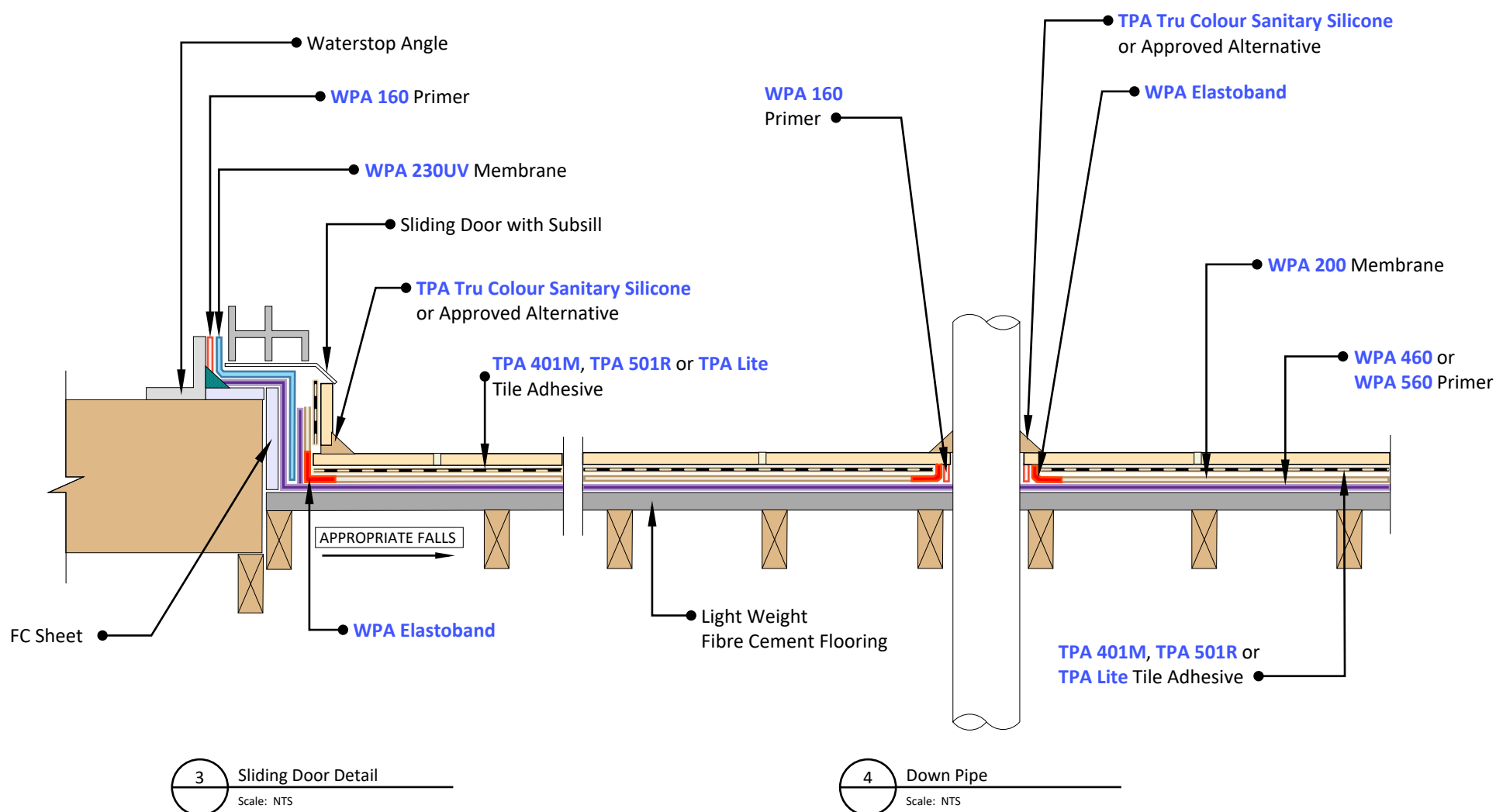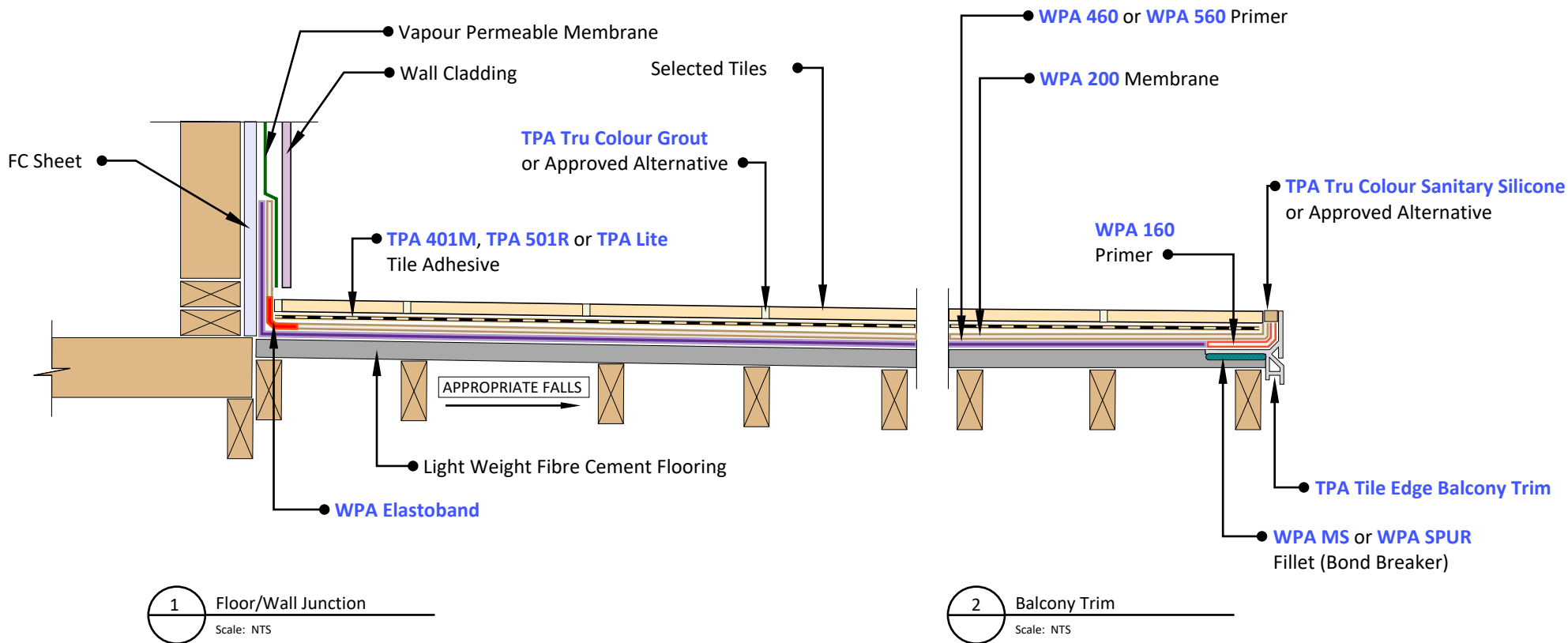
   TPA Lite is a premium grade, white, fibre reinforced, flexible cement based tile adhesive, based on a light weight formulation.

8. Grout tiles using **TPA Tru Colour Grout** or approved alternative.

   TPA Tru Colour Grout is a high-performance stain & efflorescence resistant grout, designed for use with most types of Ceramic, Mosaic, Natural Stone and Glass Tiles.

9. Install backing rod to all perimeter and intermediate movement joints and seal with **TPA Tru Colour Sanitary Silicone** or approved alternative.

   TPA Tru Colour Sanitary Silicone is a mould resistant, non-diluted, high performance, UV resistant, neutral cure silicone sealant.

Detail 1 — Floor/Wall Junction (Scale: NTS)
- Vapour Permeable Membrane
- Wall Cladding
- Selected Tiles
- FC Sheet
- TPA Tru Colour Grout or Approved Alternative
- TPA 401M, TPA 501R or TPA Lite Tile Adhesive
- Light Weight Fibre Cement Flooring
- WPA Elastoband
- APPROPRIATE FALLS

Detail 2 — Balcony Trim (Scale: NTS)
- WPA 460 or WPA 560 Primer
- WPA 200 Membrane
- WPA 160 Primer
- TPA Tru Colour Sanitary Silicone or Approved Alternative
- TPA Tile Edge Balcony Trim
- WPA MS or WPA SPUR Fillet (Bond Breaker)

Detail 3 — Sliding Door Detail (Scale: NTS)
- Waterstop Angle
- WPA 160 Primer
- WPA 230UV Membrane
- Sliding Door with Subsill
- TPA Tru Colour Sanitary Silicone or Approved Alternative
- TPA 401M, TPA 501R or TPA Lite Tile Adhesive
- FC Sheet
- WPA Elastoband
- APPROPRIATE FALLS

Detail 4 — Down Pipe (Scale: NTS)
- WPA 160 Primer
- TPA Tru Colour Sanitary Silicone or Approved Alternative
- WPA Elastoband
- WPA 200 Membrane
- WPA 460 or WPA 560 Primer
- Light Weight Fibre Cement Flooring
- TPA 401M, TPA 501R or TPA Lite Tile Adhesive

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