

WP510 Waterproofing Planter Box - Concrete / Blockwork (Self-Adhesive)

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 AS 4654.2 Waterproofing Membranes for External Above-Ground Use.
2. Repair all surface defects with [Aftek Penapatch Structural HB80](#).

[Aftek Penapatch Structural HB80](#) is a high strength; high build shrinkage compensated structural repair mortar.
3. Install a Gunnable Waterstop around all penetrations. The waterstop must be packed in between at least a 50mm cover of [Aftek Penapatch Structural HB80](#).

Gunnable waterstop products are caulk grade, single component swelling pastes used to stop water infiltration through concrete construction joints.
4. Install [TPA Screed](#) to achieve appropriate falls to waste. Where a bonded screed is required, apply a bond coat using [TPA 401M](#) or [TPA Lite](#).

Install [TPA Rapid Screed](#) for an engineered or rapid set screed, using a bond coat of [TPA Rapid](#) for bonded screeds.

[TPA Screed](#) is a pre-blended screed mixture for the installation of cementitious screeds and tile beds, suitable for internal and external floor applications.

[TPA Rapid Screed](#) is a pre-blended, rapid set, engineered screed mixture for the installation of cementitious screeds and tile beds, suitable for internal and external floor applications.
5. Apply [Soprema Elastocol Stick](#) to the substrate below soil fill level being waterproofed.

[Soprema Elastocol Stick](#) is a primer designed to enhance the adhesion of self-adhesive membranes on porous surfaces.
6. Install a 300mm reinforcing strip of [Soprema Colphene 3000](#) to all construction joints and transitions.
7. Install Soprema [Soprema Colphene 3000](#) and apply pressure over the whole surface using a membrane roller to ensure good contact.

[Soprema Colphene 3000](#) is a self-adhering membrane which is manufactured from a select blend of elastomeric SBS modified bitumen.
8. Seal all end laps and side laps of [Soprema Colphene 3000](#) with [Soprema Alsan Flashing Quadro](#).
9. Detail all penetrations with [Soprema Alsan Flashing Quadro](#) incorporating [Soprema Soprema Alsan Fleece 165 B](#), ensuring complete encapsulation of the reinforcing fleece.

[Soprema Alsan Flashing Quadro](#) is a single-component, root and rhizome resistant polyurethane resin used for flameless waterproofing junctions between horizontal surfaces, up-stands and various roof details.

[Soprema Alsan Fleece 165 B](#) is a non-woven polyester fleece specially designed to be used as reinforcement and ensures that a minimum layer thickness of the Alsan Flashing Quadro waterproofing resin.
10. Install [Aluminium K Flashing](#) or [Aluminium Pressure Seal](#) with appropriate mechanical fixings to protect the exposed membrane edge at the top of the wall. Seal the top of the pressure seal with [WPA MS](#) or [WPA SPUR](#).

[Aluminium K Flashing](#) is an extruded aluminium flashing with pre-punched holes, designed for the top termination of sheet membrane systems.

[Aluminium Pressure Seal](#) is designed to seal the top edge of sheet membrane systems.

[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.
11. Prime [Aluminium K Flashing](#) or [Aluminium Pressure Seal](#) 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.
12. Apply [WPA 460](#) or [WPA 560](#) primer to the capping and external face of the wall above the [Aluminium K Flashing](#) or [Aluminium Pressure Seal](#).

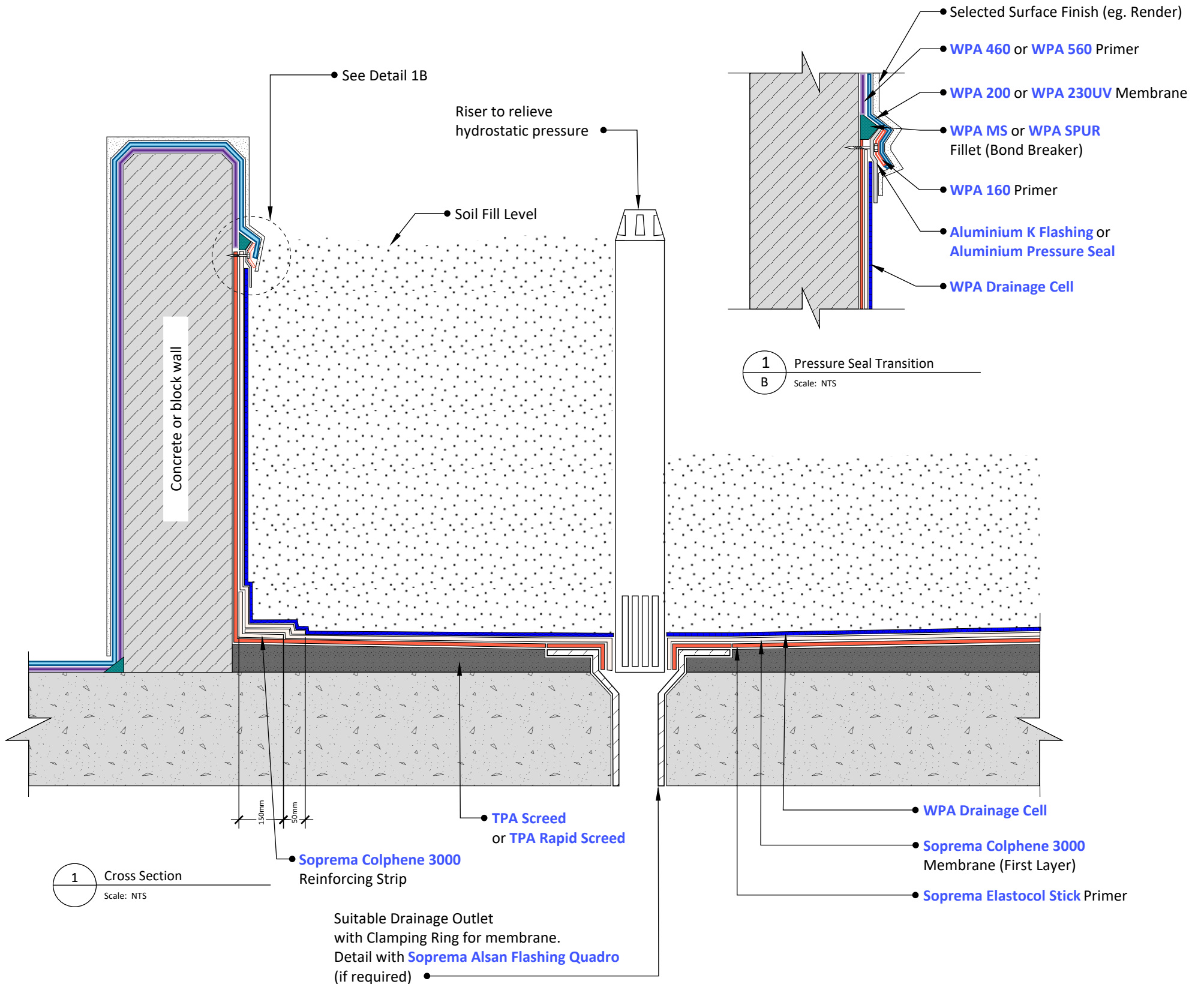
[WPA 460](#) is a two-part, water-based epoxy primer, used to seal concrete and masonry surfaces.

[WPA 560](#) is a two-part, water-based epoxy primer, designed as a water and vapour proof coating under waterproofing membranes.
13. Apply [WPA 200](#) or [WPA 230UV](#) waterproofing membrane to the primed [Aluminium K Flashing](#) or [Aluminium Pressure Seal](#), the capping and the external face of the wall.

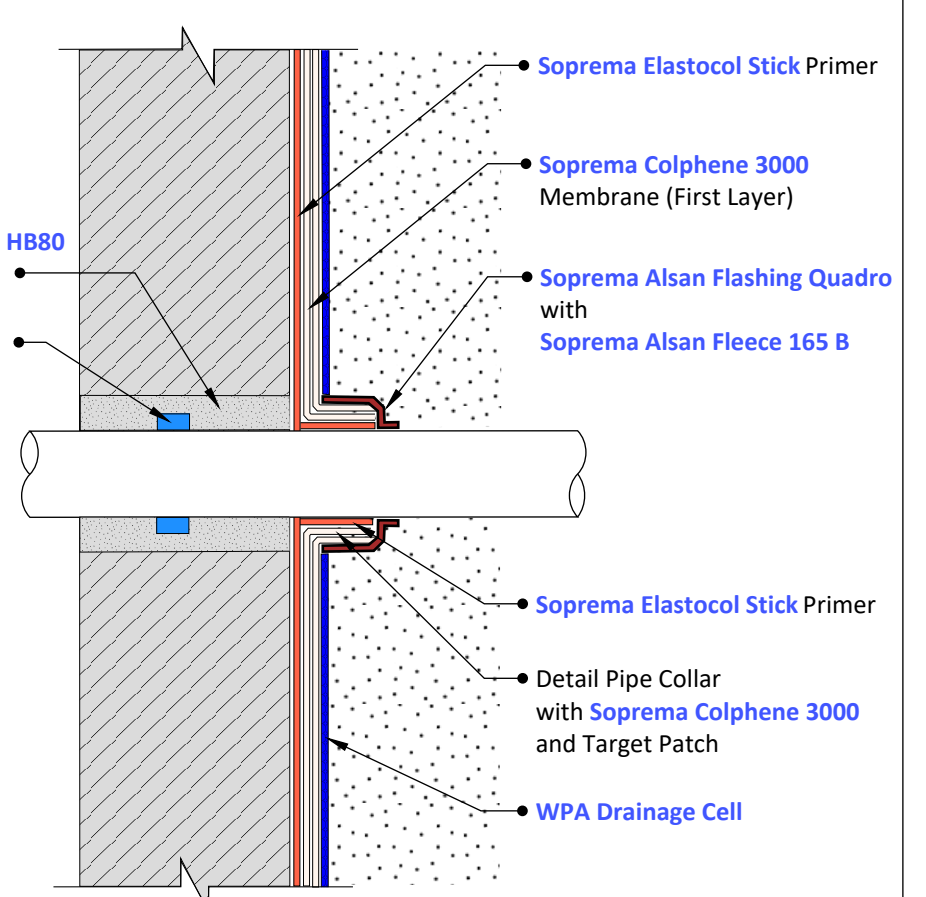
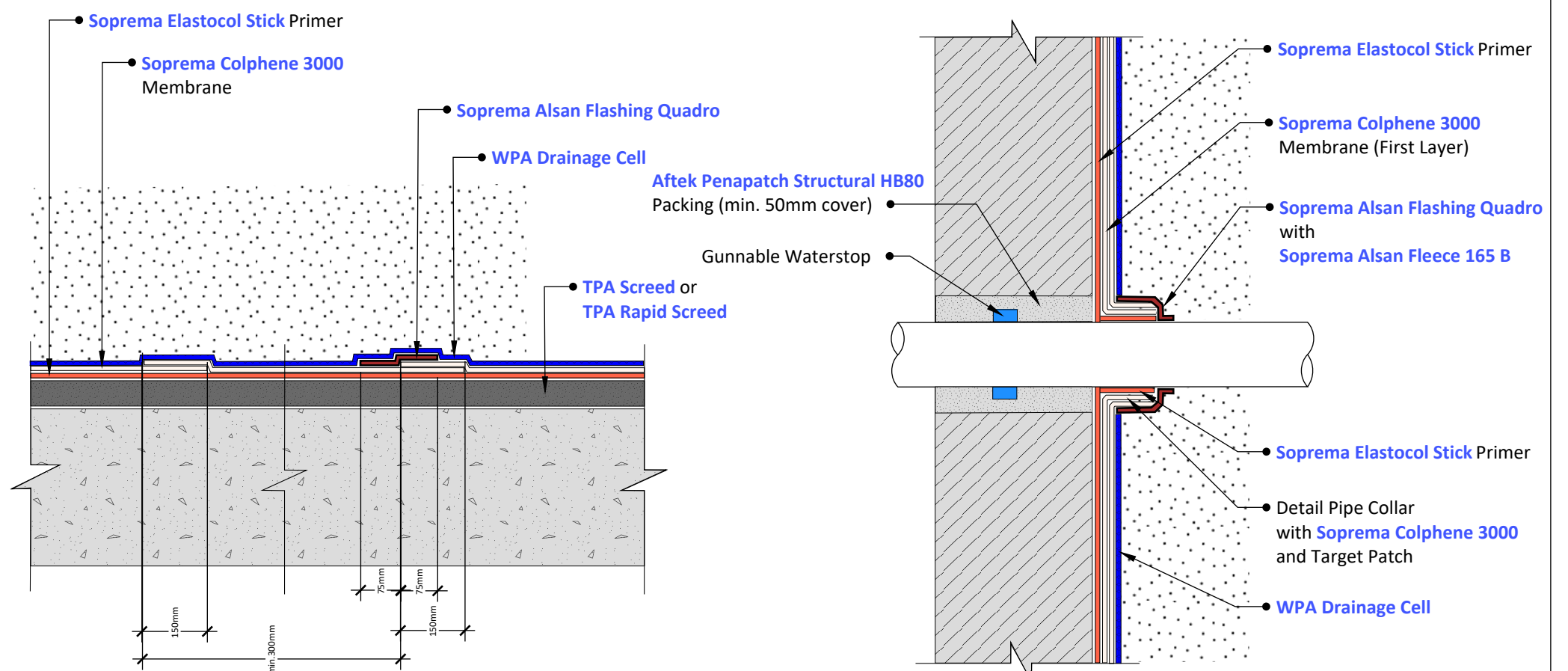
[WPA 200](#) is a flexible, two-part, rapid drying, cementitious waterproofing membrane system, specifically designed for use under tile, stone and exposed applications.

[WPA 230UV](#) is an elastomeric, fibre reinforced, water-based polyurethane membrane system designed for exposed or under tile applications.
14. Install [WPA Drainage Cell](#) over [Soprema Colphene 3000](#), terminating under the [Aluminium K Flashing](#) or [Aluminium Pressure Seal](#).

[WPA Drainage Cell](#) is a two-core drainage sheet consisting of a non-woven geotextile filter layer thermally welded to a water impermeable, recycled HDPE (High Density Polyethylene) drainage membrane.
15. Install internally filtered riser for the purpose of relieving hydrostatic pressure.



Suitable Drainage Outlet with Clamping Ring for membrane. Detail with **Soprema Alsan Flashing Quadro** (if required)



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(Self-Adhesive)**

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WP510

SCALE: NTS

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