



**FOUNDATION WALL
FLOOR SLAB AT FOOTING LEVEL WITH DPC
BITUTHENE WATERPROOFING SYSTEM**

DRAWING: BIT-002A

SCALE: Not to scale

EFFECTIVE DATE: 01-03-2019

Foundation Wall

Floor Slab At Footing Level With Preprufe and DPC.

Prior to Membrane Installation, Review the Bituthene® Data Sheet



Surface Prep

All surfaces must be structurally sound and free from spalled areas, loose aggregate, sharp protrusions or other matter that may hinder the adhesion or regularity of the membrane installation. The surface should also be free from frost, dirt, grease, oil or other contaminants as outlined in the Bituthene® Data Sheet section on Surface Preparation. Clean loose dust and dirt from the surface and prime with appropriate primer.

Detailing

1. Install the field membrane in accordance with the Bituthene Data Sheet section on Installation
2. Form 20 mm fillet of Bituthene LM3000 Liquid Membrane in corner extending 65 mm onto wall and footing. Allow to cure.
3. Apply a 300 mm Bituthene Strip centered over the outside corner of the footing.
4. Apply Bituthene membrane down wall, onto horizontal surface of footing, and around outside corner of footing.
5. Extend Bituthene membrane a minimum of 150 mm down vertical surface of footing, lapping onto Preprufe membrane. Do not apply primer to the back of the Preprufe membrane for installation of the Bituthene membrane. Preprufe installation instructions can be found on the Preprufe data sheet.
6. Apply bead of Liquid Membrane on all terminations.
7. Lap DPC onto Preprufe membrane using Preprufe Tape.
8. Apply Preprufe membranes and NPX according to the installation instructions found on the data sheet.

Special Notes

Bituthene membranes should not be used in areas where they will be permanently exposed to sunlight, weather or traffic. Protect membrane from sunlight as quickly as possible after installation. It is acceptable to apply Bituthene membrane directly over freshly applied Bituthene LM3000 Liquid Membrane provided the LM does not displace.

Provide temporary protection for the Preprufe membrane at the tie-in location until the Bituthene membrane tie-in is installed. The tie-in should be completed and backfilled as soon as possible. An approved protection course must be used over the exposed Preprufe membrane and the Bituthene membrane prior to backfilling.

Ensure Adcor® waterstop is encapsulated with a min. 75 mm concrete cover. Avoid installing Adcor® waterstop in areas where it may be subjected to prolonged exposure or immersion in water prior to concrete placement. A GCP injectable waterstop should be considered if the waterstop may be exposed and or immersed in water prior to concrete placement or when access to Adcor® waterstop is limited after installation by rebar. Apply Adcor® waterstop according to the installation instructions found on the data sheet.

Allnex may require an alternative GCP waterstop based on design conditions at Allnex's discretion.