



Advanced Tanking Solutions

Why we waterproof underground?

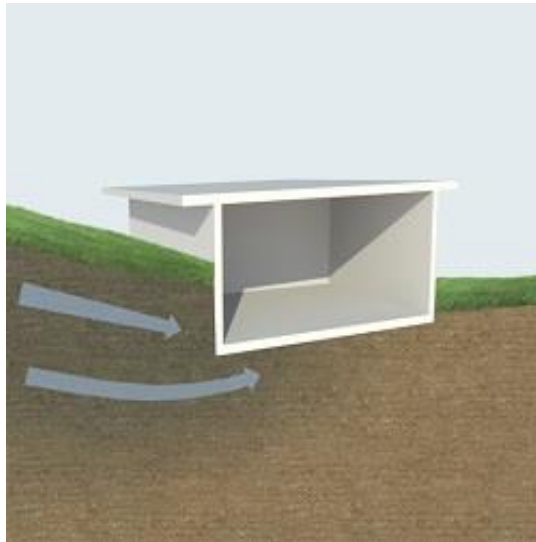


3 Levels of Protection



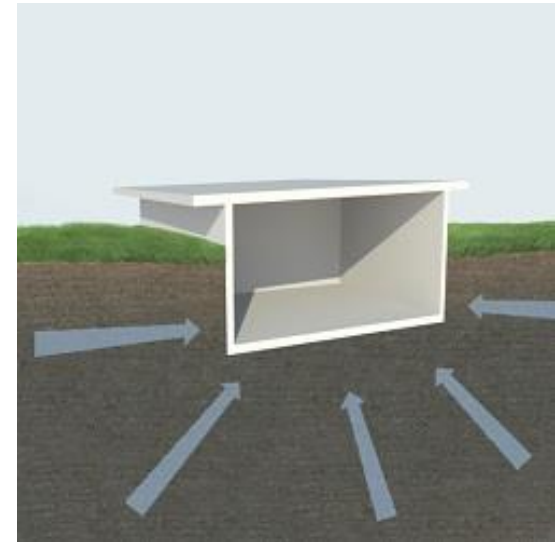
Damp proofing

Self-adhesive



Waterproofing

Torch applied waterproofing



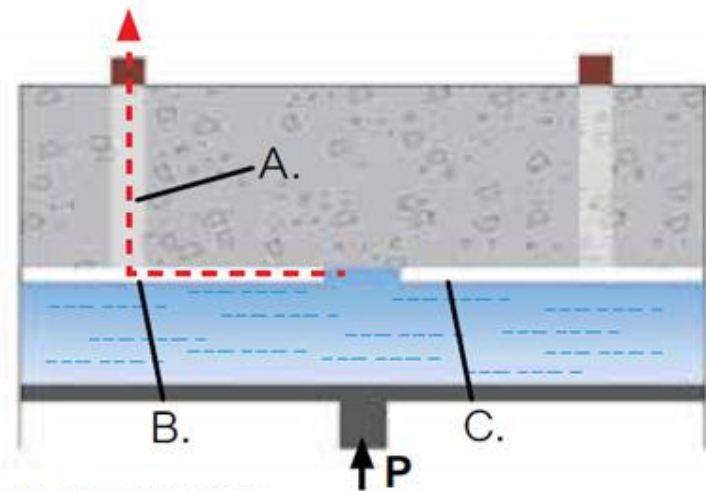
Watertight

Continuous hydrostatic pressure

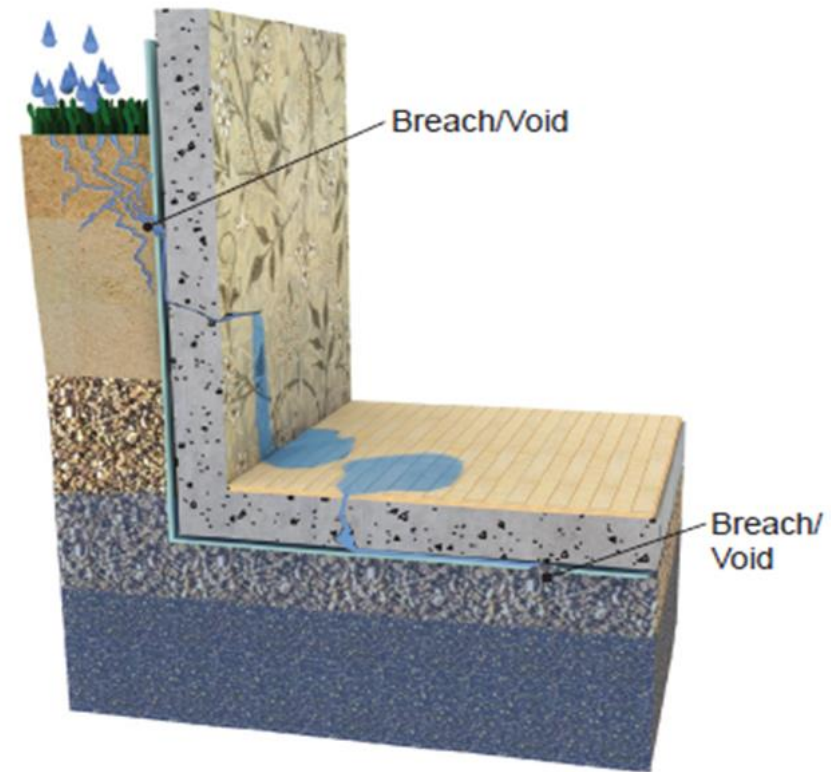
Application Method

- **Self-Adhesive**
- **Pressure sensitive adhesive bond**
- **Torched-On**
- **Draped or Loose-laid**
- **Mechanically Fixed**

Lateral Water Migration Risk



A. Flow of water
B. Traditional membrane
C. Preprufe® membrane



Site Conditions

- The type of substrate
- The installation conditions
- The ground conditions
- The service depth
- The depth of groundwater
- The type of diaphragm wall
- The method of concrete placement
- Safety considerations

3PT/ 3PTM Below Slab

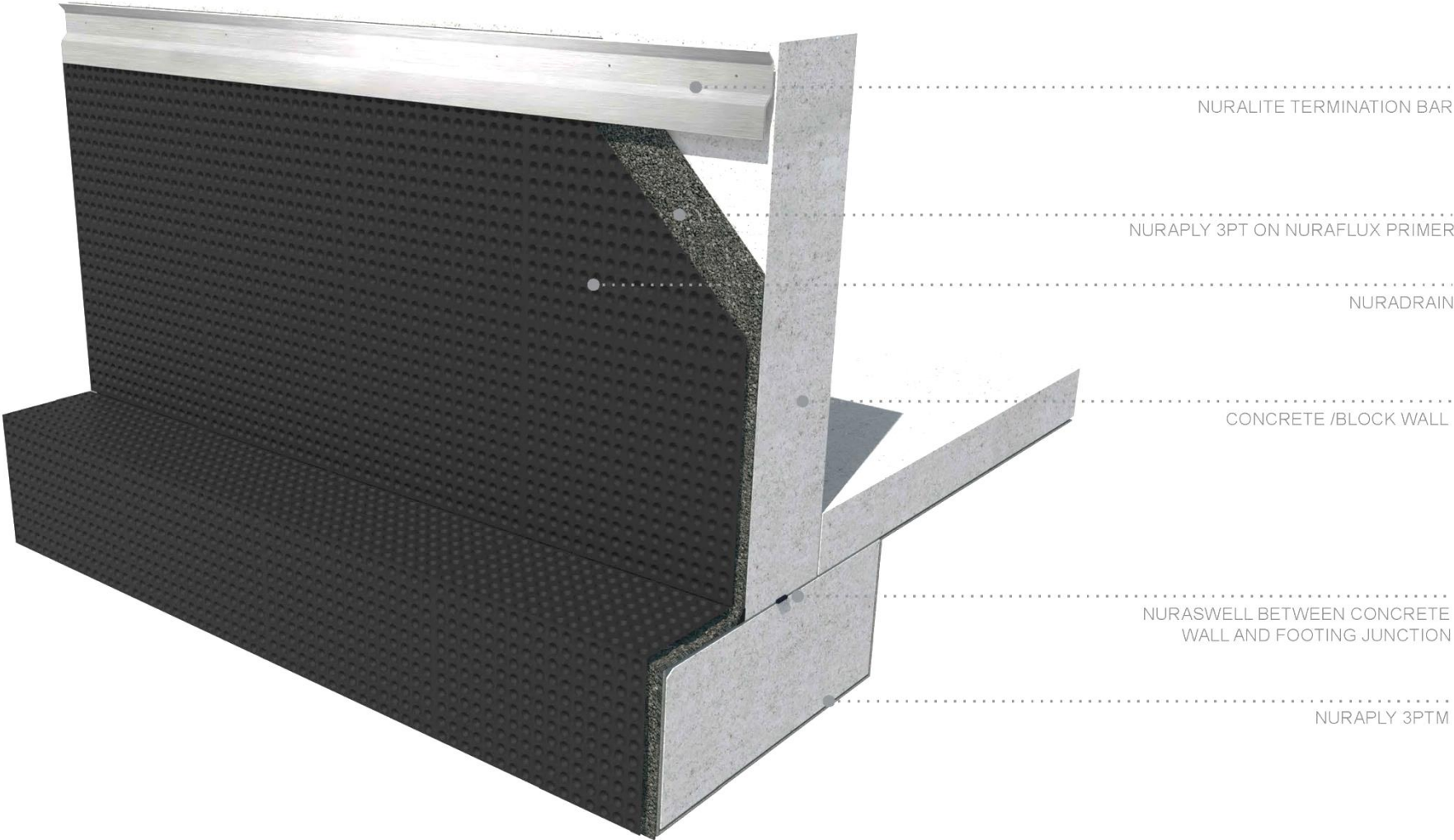




Nuradrain



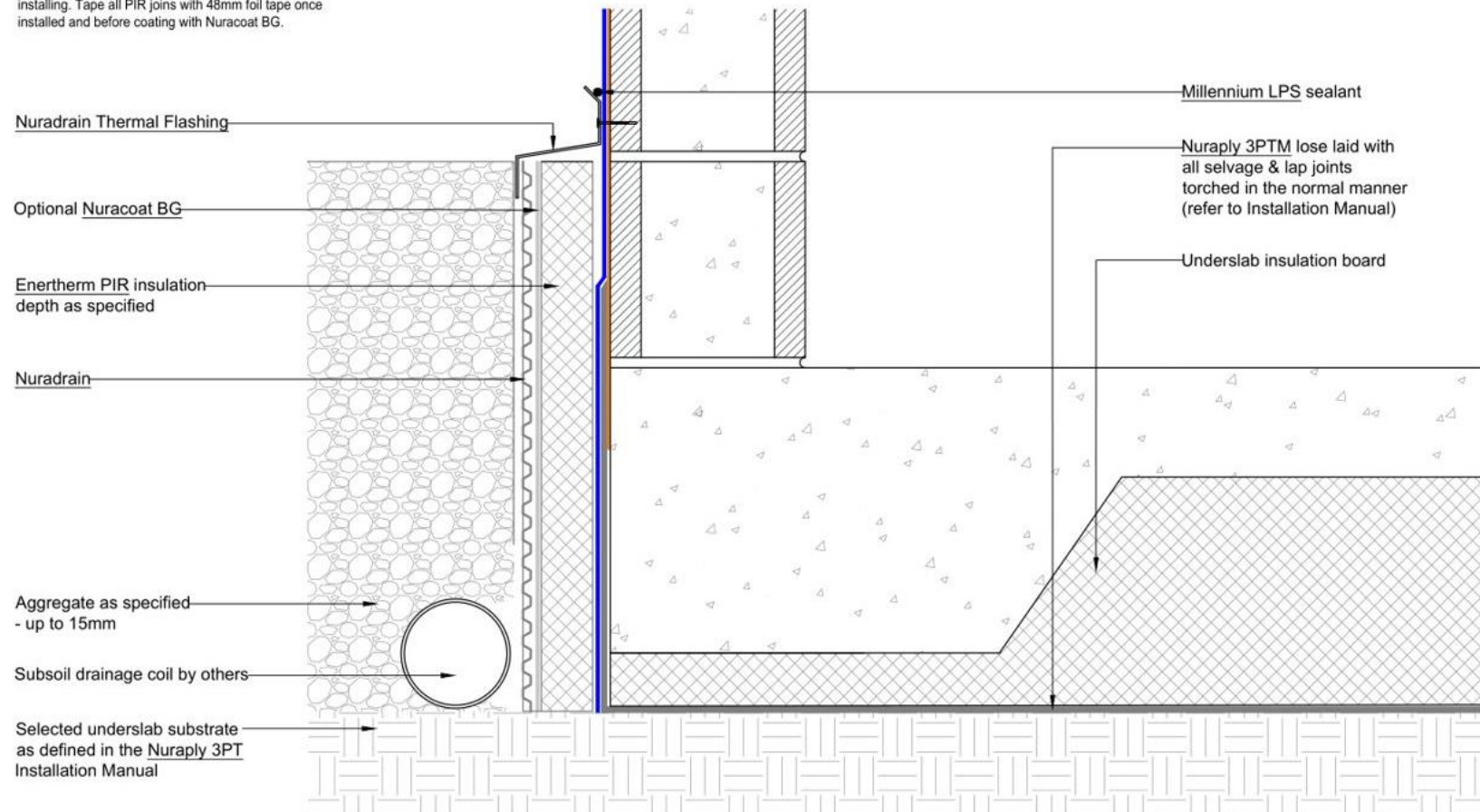
Render of Nuraply 3PT/ 3PTM



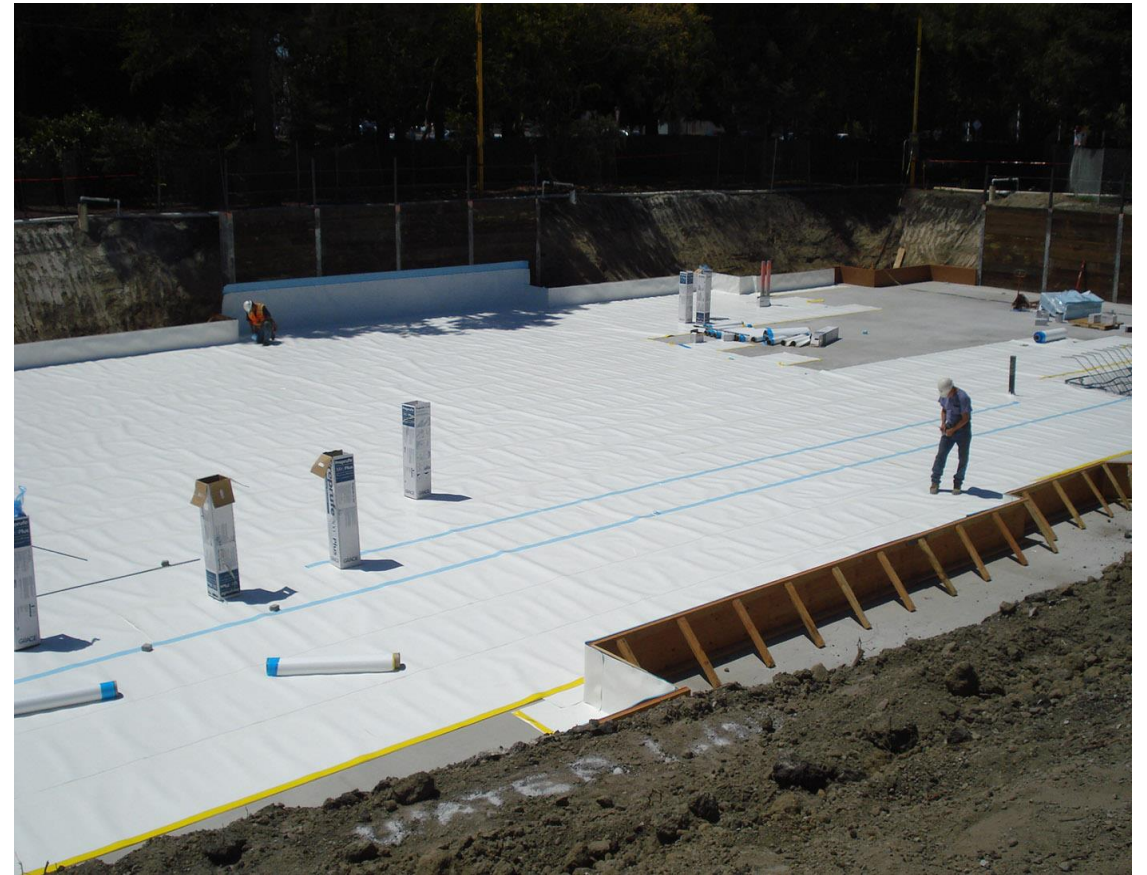
Tanking System Detail

Note:

Bond the PIR with Selleys Water Based Kwik Grip Gel. Tape any exposed edges of PIR with 150mm foil tape before installing. Tape all PIR joins with 48mm foil tape once installed and before coating with Nuracoat BG.

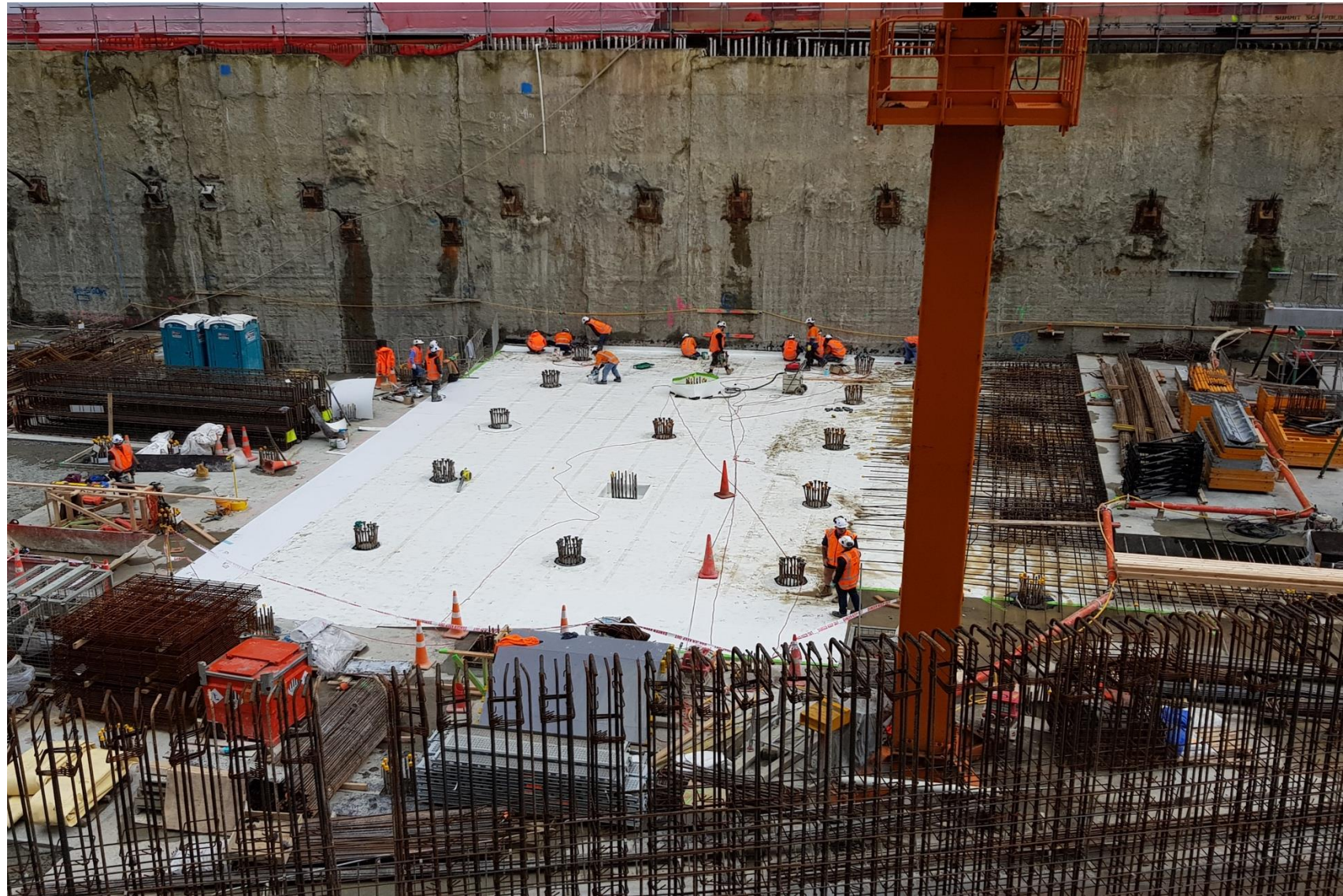


Bituthene 3000 and PREPRUFE





PREPRUFE Plus







HDPE FILM

Resilient and flexible
for a long durability
waterproofing

ADVANCED BOND TECHNOLOGY™

Complete and
strong bonding to
concrete

PREPRUFE® ZIPLAP™

Innovative adhesive-to-
adhesive bond at the seams



Preprufe® adhesive &
self protected coating
on HDPE membrane

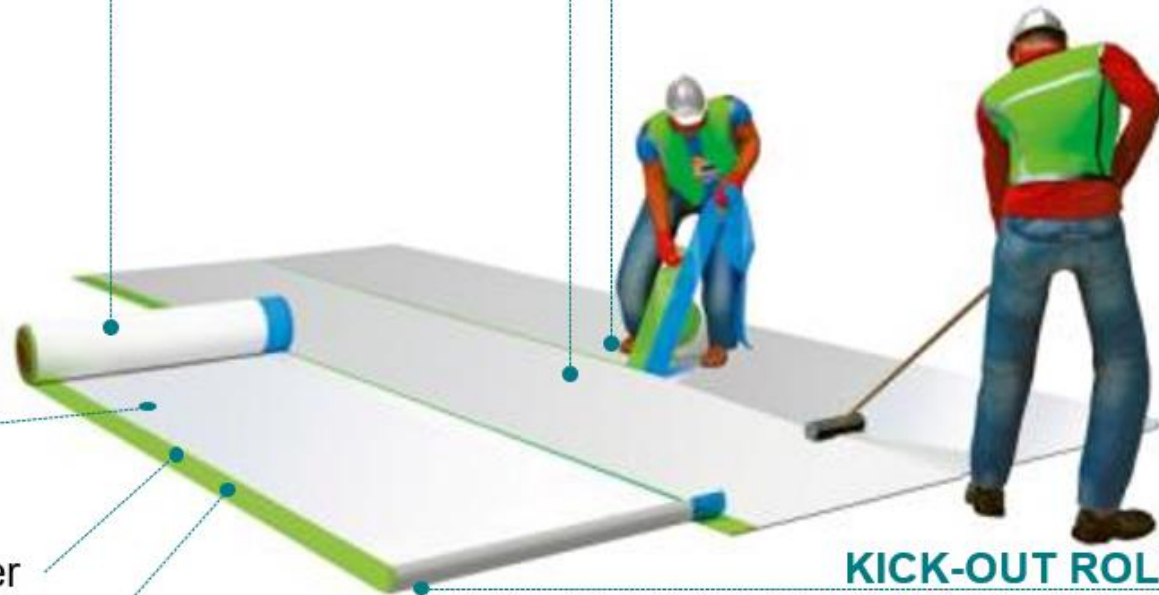
Color Release Liner

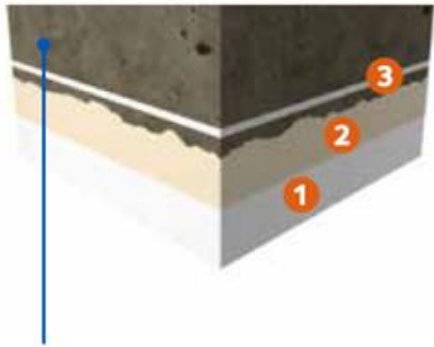
Self-adhesive
lateral overlap

RELEASE LINER-FREE

KICK-OUT ROLL

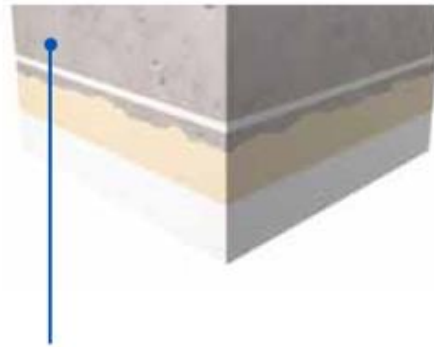
Easy and fast application





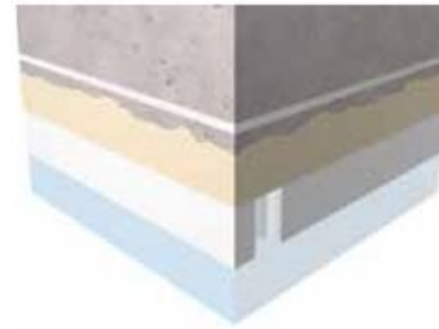
Fresh Concrete

As the concrete is poured, it passes through the surface layer and bonds to the pressure sensitive adhesive



Hardened Concrete

As the concrete hardens, it forms an integral and continuous seal between the adhesive layers of the membrane and the structure



Impenetrable Barrier

Even in the event of a break in the membrane an impenetrable barrier isolates the structure from water, corrosive soil, gas and moisture



1. **Protective white coating**
2. **Pressure sensitive adhesive**
3. **Robust HDPE membrane**

Bituthene & PREPRUFE Detail

