



constructive solutions

# Riverbank on Byron

## Bulimba, QLD

**SPECIFIER & CONTRACTOR** PJG Frawley Construction  
**SECTOR** Multi-residential  
**DATE** 2022

### PRODUCTS

- Fosroc Proofex PGP
- Fosroc Polyurea WHE110
- Fosroc Nitomortar AP
- C.I. Takiron Hydrotite
- C.I. Takiron Leakmaster



At this luxury development on Brisbane's waterfront, Fosroc Proofex PGP and Polyurea WHE110 combined to provide fast, economical and durable basement waterproofing.

### THE PROJECT

Trueproof approached our Queensland team seeking a basement waterproofing solution. They knew they wanted to use PVC membranes but were seeking a more efficient way to waterproof around a very detailed system of footings, rebar and pile caps.

### THE SOLUTION

A flexible PVC synthetic membrane, Proofex PGP saved time and money due to the ease and speed of installation. The puncture resistant membranes were loose laid on a blinding slab and connected with epoxy paste Fosroc Nitomortar AP followed by hot air welding.

The use of Polyurea WHE110 to spray around the footings was a game changer, saving a lot of time compared to wrapping and cutting the sheets around each structural element. It adhered strongly to the Proofex PGP to create a strong single layer of waterproofing across the entire basement and lift pit.

Finally, a topcoat of Nitoflor PA was applied with Nitoflor Anti-Slip Grains 41 mixed in.

This polyaspartic coating is ideal for boosting the lifespan and appearance of new and existing floors.

Both the customer and the applicator were delighted with the durable, good-looking result and fast application process.

### THE BENEFITS

#### Proofex PGP

- Fast installation
- Good resistance to puncturing
- Hot air welded joints for maximum watertightness
- High flexibility in cold temperatures

#### Polyurea WHE110

- Excellent chemical resistance, thermal stability and UV resistance
- Seamless and monolithic, including field joints
- Very fast application and curing time – return to service within an hour
- Excellent impact, abrasion and puncture resistance
- Low permeability values



AU 1800 812 864  
fosroc.com.au

NZ 0800 657 156  
fosroc.co.nz

**Parchem Construction Supplies Pty Ltd**  
1956 Dandenong Rd, Clayton VIC AUS 3168

**Concrete Plus Ltd**  
150 Hutt Park Road, Gracefield, Lower Hutt NZ 5010

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