

Case History NCP 263

Industry Sector

Civil Construction - Underpass
– Waterproofing Integrity

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products
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PROJECT NAME:
Memorial Park Underpass -
Wellington

PROJECT REQUIREMENT:

Memorial Park has been designed to provide a large, multi-purpose public space for Wellington. To achieve this, a 150m long underpass was built to move highway traffic under the Park. Construction of the Park began in late 2014. The park will officially open on Anzac Day 2015. The underpass was designed as a trench that will be "cut and covered". To ensure that the underpass was properly waterproofed the designers needed to choose the appropriate tanking system. This was achieved by using complimentary products supplied by Nuplex Construction Products that provided a complete system providing tanking for under the road bed, up the walls, and over the roof of the underpass.

NUPLEX Solution

Grace Preprufe 300, Bituthene 6000 was chosen as the System to provide a watertight solution to the major underground structure.

Soprema Jardin was chosen as the system to provide the waterproofing to the "Green Roof" of the tunnel

Grace Preprufe, Bituthene 6000 & Soprema Jardin was recommended due to the long standing product history and proven success of the products.

Preprufe 300 is a tough puncture resistant membrane used around footings, pile caps, foundations and under the base slab. Preprufe 300 fully bonds to the concrete cast against it.

Bituthene 6000 is a highly flexible self adhesive membrane Used for waterproofing vertical retaining walls

The Soprema Jardin system is a double layer torch on Membrane which is highly elastic SBS membrane that is Extremely durable and flexible with outstanding waterproofing qualities. The Jardin cap sheet incorporates a root inhibitor for use roof Gardens.

Products:

Grace Preprufe 300, Bituthene 6000 & Soprema Jardin

Size: Preprufe 300	4200m²
Bituthene 6000	2800m²
Soprema Jardin	4000m²

Contractor: Builders Plastics- Wellington

Specifier: Tokin & Taylor / URS

Project Manager: James Lake

**Builder: Memorial Park Project Alliance
(Downer, HEB & LTSA)**

Completed: Under Construction

For further information on our range of solutions

www.nuplexconstruction.co.nz

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