

Case History

Industry Sector

Civil Construction - Underpass
– Waterproofing Integrity

nuplex[®]
construction
products
engineered construction solutions



PROJECT NAME:
Victoria park motorway tunnel

PROJECT REQUIREMENT:

The Victoria park tunnel was constructed to provide north bound motorway traffic improvement. To achieve this, a 400m long underpass was built to move highway traffic under the Park. Construction of the Park began in approx. 2011. The underpass was designed as a trench that was “cut and covered”. To ensure that the underpass was properly waterproofed the designers needed to choose the appropriate roof cover system. This was achieved by using complimentary products supplied by Nuplex Construction Products that provided a complete system providing waterproofing over the roof of the underpass.

NUPLEX Solution

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

Soprema Jardin was recommended due to the long standing product history and proven success of the products system.

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. This is important in Auckland’s very active tree growth zone. This system was over the roof cap and down the top of the sides, covering the top construction joints.

For further information on our range of solutions

www.nuplexconstruction.co.nz ncpsales@nuplex.com;

Products:

Soprema Jardin double layer of Sopralene Flam 180 & Sopralene Jardin.
NPX protection and drainage.

Size: approx. 10000m²
waterproofing to the “Green Roof” of the tunnel

Contractor: Sansom Construction services

Specifier: BECA

Builder: Fletcher Alliance

Completed: 2013