



SIKA AT WORK

MOUNT ALBERT RESERVOIR

WATERPROOFING: SIKA SARNAFIL®

BUILDING TRUST



MOUNT ALBERT RESERVOIR



PRODUCT DESCRIPTION

The Mt Albert Reservoir is a huge 31,500m³ water reservoir buried on the southern side of Mt Albert, a volcanic peak in Auckland City. The reservoir's concrete roof was cracking and had roots growing through it into the drinking water tank. The roof was fully buried under the ground. This meant all grass and earth had to be removed to expose the roof. Until this was done we could not have an exact idea about the condition of the substrate.

PROJECT REQUIREMENT

- The requirement was for a sheet membrane system that would be resistant to plant root growth and to prevent both dirty water and any future plant growth from penetrating the membrane
- The replacement of the earth once completed could not be allowed to puncture or damage the membrane. The membrane needed to be terminated and made water tight past the construction joint between the roof and the walls

CHALLENGES

The replacement of the earth fill both from the point of view of potential damage and the need to get trucks on to the finished membrane to apply the new fill.

SIKA SOLUTION

Sika Sarnafil® G 476-20

PROJECT SIZE

6,000m²

PROJECT PARTICIPANTS

Main Contractor:

Watercare Services Ltd

Specialist Contractor:

Hydroproof

Sika Contact:

Mike O'Brien

FOR MORE WATERPROOFING
INFORMATION:

