



SIKA AT WORK

SUMMERSET RETIREMENT VILLAGE, HOBSONVILLE STAGE 1

WATERPROOFING: SikaProof® Bentonite

BUILDING TRUST



SUMMERSET RETIREMENT VILLAGE STAGE 1



Waterproofing of pad foundations for basement slab

PROJECT DESCRIPTION

This is a very large retirement village project being built in several stages. Stage 1 is very close to the water in a location where ground water levels are high.

Most of the accommodation will be in large apartment blocks. Each of these blocks will have its own underground car parking facility.

The average footprint size of the apartment blocks is 3,000m² and the client demanded a watertight basement for these high specification apartments.

The construction is of a reinforced concrete raft slab on concrete pad foundations. The walls are constructed of precast concrete tilt slabs.

Great attention needed to be paid to the connection between the slab waterproofing and the wall waterproofing as well as potential site damage.

The waterproofing system in service will have to resist a water pressure of 5 metres.

Sika has worked closely with the Architect, Main Contractor and Approved Waterproofing Applicator to make this project a success.

SikaProof Bentonite is specified for the below ground waterproofing of stage 2 of this project.

SIKA SOLUTION

SikaProof Bentonite System

PROJECT SIZE:

3000m²

SIKA PRODUCTS

SikaProof Bentonite
SikaSwell A
SikaProof Bentonite Powder
SikaProof Bentonite Paste

PROJECT PARTICIPANTS

Applicator: Mohan Waterproofing
Main Contractor: Canam Construction
Architect: Ignite Architects
Client: Summerset Retirement Villages

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