



SIKA AT WORK

KILLARNEY RD, HAMILTON
RETAIL BASEMENT CARPARK

WATERPROOFING

BUILDING TRUST



KILLARNEY RD, HAMILTON RETAIL BASEMENT CARPARK

PROJECT DESCRIPTION

A new Commercial two storey building in Hamilton required a waterproofing system for the new retail below ground carpark.

PROJECT REQUIREMENT

A waterproofing membrane was required to prevent basement ground water ingress through:

- The concrete floor
- Precast concrete wall panels and joints
- Concrete terrace

CHALLENGES

The site presented some challenges with the Geotechnical report highlighting construction potentially below the water table and some soil instability and future liquefaction risk. The site was also located near a busy round-a-bout and adjacent a creek and site access was limited.

SIKA SOLUTION

Below ground waterproofing membranes - SikaProof A & SikaProof P, along with waterproofing joint solutions Sika Waterbars, swellable waterstops (SikaSwell S-2 and P Profiles) and chemical resistant joint sealant (Sikaflex Tank-N).

PRODUCTS USED

SikaProof® A-12
SikaProof® P-12
Sika® DR-25 PVC Waterbar
SikaSwell® S-2
SikaSwell® P-Profile-2010 H
Sikaflex® Tank-N

PROJECT SIZE

Approximately 700 m² basement floor area

PROJECT PARTICIPANTS

Product Specifier: Diverse Design Ltd - DDL Architecture
Main Contractor: Lobell Construction Ltd
Specialist Contractor: Cantec Services Hamilton Ltd
Sika Contact: Mike Wilson



Scan QR Code for
more information



SikaProof® A-12 installed prior to floor concrete pour



SikaProof® A-12 installed under footings



Completed basement floor

Sika (NZ) Ltd
Po Box 19192
Avondale · Auckland
New Zealand · 1746

Contact
Phone 0800 745 269
www.sika.co.nz

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