



Aurecon office building, 110 Carlton Gore

# SIKA AT WORK

## 110 CARLTON GORE, AUCKLAND

BASEMENT TO ROOF

BUILDING TRUST





# 110 CARLTON GORE ROAD, NEW MARKET, AUCKLAND

## PROJECT DESCRIPTION

The new 13,090m<sup>2</sup> Aurecon development located at 110 Carlton Gore Road, New Market, will have 12,110 m<sup>2</sup> of premium office space, 980m<sup>2</sup> of retail space and 2 levels of car parking.

## PROJECT REQUIREMENT

Compatible product solutions were required for various areas of this project – from the basement waterproofing to fire resistant connection and penetration joints, seismic/trafficable and watertight jointing, right through to the detailed roof and drains.

## CHALLENGES

- Construction started in 2021. Soon after construction started the pandemic cases increased, causing the alert system to be put in place which stopped all development
- Two floods during construction – Presented ongoing issues with the basement being below road level

## SIKA SOLUTION

Sika provided basement to roof solutions for this new 9 story development:

- Basement waterproofing with SikaProof Bentonite and SikaSwell durable below-ground waterproofing systems
- Fire resistance with Sikaflex-400 Fire polyurethane joint sealant (connection and penetration joints with up to 4 hours fire resistance)
- Seismic joints with Sika EMSEAL, a seismic joint system that is designed to provide both a watertight and trafficable joint sealing solution with excellent movement for walls and floors
- Roofing sheet membrane with Sika Sarnafil, a watertight, long lasting, sheet roofing membrane with good resistance to UV exposure
- Detailed roofing areas utilising SikaRoof i-Cure, a polyurethane liquid applied membrane used for waterproofing roofs with numerous details such as penetrations, drains, roof lights and complex geometry

## PROJECT SIZE

5800 m<sup>2</sup>

## PRODUCTS USED

Basement waterproofing

Roofing

Seismic Joints

Fire Rated joints

Plant room floor

SikaProof® Bentonite  
SikaSwell®  
Sika® Sarnafil S-327  
Sika® Sarnafil G-410  
SikaRoof® i-Cure  
Sika® EMSEAL  
Sikaflex®-400 Fire  
Sikagard®-62

## PROJECT PARTICIPANTS

Main Contractor:

Specialist Contractor:

Mansons TCLM

Watertight The Waterproofing  
People Ltd



SikaProof Bentonite is a waterproofing system which efficiently protects reinforced concrete structures, preventing the penetration of water and subsequent attack by aggressive chemical substances present in the surrounding soil.



Seismic joints with Sika EMSEAL, a seismic joint system that is designed to provide both a watertight and trafficable joint sealing



Detailed roofing areas utilising SikaRoof i-Cure, a polyurethane liquid applied membrane

