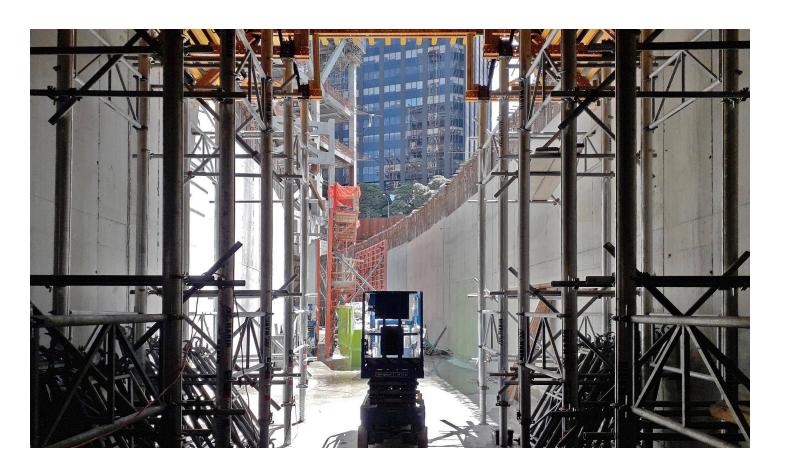


# SIKA AT WORK CITY RAIL LINK, AUCKLAND CBD

CONCRETE



# CITY RAIL LINK, AUCKLAND CBD



### **PROJECT DESCRIPTION**

D walls to be constructed either side of track tunnels on the City Rail Link project

## PROJECT REQUIREMENT

The concrete required had to be designed for minimal bleed due to the hydrostatic pressures when pouring deep and large diameter piles or walls.

### **CHALLENGES**

- The concrete specifications were very specific: 40MPa
   10mm concrete with 600 650mm spread (240mm slump)
- 20ml maximum bleed under pressure
- The concrete had to stay plastic for 2-4 hours
- Maximum 70deg concrete temperature
- The flow also had to meet a stringently specified time for the slump cone

### **SIKA SOLUTION**

A mix design was trialed at Allied Concrete's Penrose lab using Sika admixtures to achieve the required bleed, temperature and slump

### **PRODUCTS USED**

- SikaTard®-930
- Sika ViscoCrete®-5-555
- Sika ViscoFlow®-15

### **PROJECT PARTICIPANTS**

Product Specifier: Allied Concrete
Main Contractor: Mc Connell Dowell
Sika Contact: Don McPike



Scan QR Code for more Concrete information or visit www.sika.co.nz

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