



SIKA AT WORK

WATERVIEW CONNECTION TUNNELS, NEW ZEALAND

PROTECTIVE COATINGS: SIKAGARD WALLCOAT T

BUILDING TRUST



WATERVIEW, AUCKLAND, NZ.



PRODUCT DESCRIPTION

Two, three lane motorway tunnels - each 2.4km in length and positioned up to 45m below the surface. The tunnels complete the Western Ring Route, one of NZ's largest infrastructure projects to date. The new highway provides an important alternative to the traffic clogged State Highway 1 route through Auckland City.

PROJECT REQUIREMENT

To ensure drivers are not visually distracted when traveling through the long tunnels, a black coating needed to be applied to the ceiling and upper walls of the concrete surface. This coating would help "hide" the tunnel frame work and services suspended above the roadway

CHALLENGES

- The Project Team specified that the black-out coating needed to pass a stringent round of evaluation and meet many local and international standards specific to tunnel construction and use. Research and tests were undertaken by Sika to ensure the light reflective value (LRV) was correct and that fire performance stipulations would be met. In addition, the coating needed to be resistant to carbonation from car exhausts, be robust enough to withstand pressure washing, and also to withstand exposure to the emergency deluge sprinkler systems.
- The Specialist Applicator required a product that could be easily applied in rapid succession to enable them to keep to the strict schedules for completion. This meant delivery times were crucial too.
- Quality control was of course paramount so a thorough, collaborative system was adopted between Sika (NZ) Ltd, the Specialist Applicator and the client to ensure the perfect outcome.

SIKA SOLUTION

Sikagard Wallcoat T

PRODUCT USED

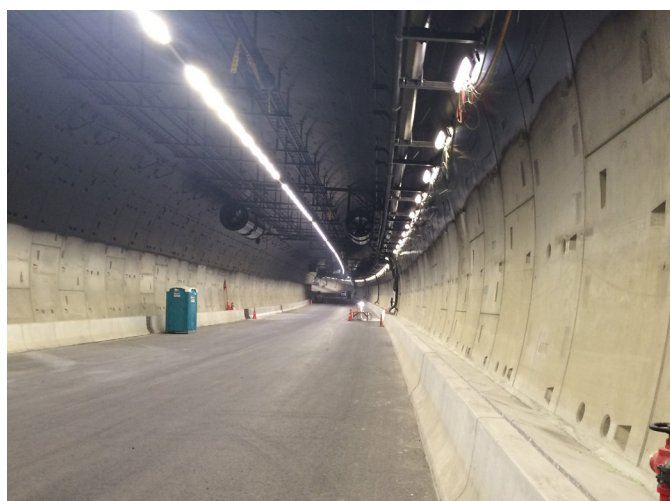
Sikagard Wallcoat T - RAL 9004

PROJECT SIZE

90,000m²

PROJECT PARTICIPANTS

Main Contractor: Well Connected Alliance
Specialist Contractor: TopCoat Specialist Coatings
Sika Contact: Max Tombleson



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