



Mangere Wastewater Treatment Plant, Auckland

# SIKA AT WORK

## MANGERE WASTEWATER TREATMENT PLANT, AUCKLAND

FLOORING / COATINGS

BUILDING TRUST



# MANGERE WASTEWATER TREATMENT PLANT, AUCKLAND

## PROJECT DESCRIPTION

Approximately 75% of Auckland's wastewater flows to the Mangere Waste Water Treatment Plant, the largest facility in the country.

Construction of the original plant—then known as the Manukau Sewage Purification Works—started in 1956, with the plant opening in 1960. Since then, it has undergone a number of upgrades to modernize and increase capacity.

## PROJECT REQUIREMENT

A new protective coating was required in the vapour zone of the primary sedimentary tanks (PST) to protect the reinforced concrete against biogenic corrosion. In addition to the concrete protection, repairs first needed to be carried out in areas where concrete had spalled in the tanks.

## CHALLENGES

- The sedimentary tanks had to be shut down and emptied for work to be carried out.
- Access to tanks was challenging as the repair materials had to be craned into the tanks.
- Strict site controls were in place due to working in confined spaces and general on-site hazards.

## PROJECT SIZE

200m<sup>2</sup> of Sikagard®-62

## SIKA SOLUTION

Sikagard®-62 protective epoxy coating was used to protect the vapour zone. It is highly chemical resistant and is ideal for linings in storage tanks and silos.

## PRODUCTS USED

Sikagard®-62  
Sikadur®-41 CF Normal  
Sikadur®-31 CF Normal

## PROJECT PARTICIPANTS

Product Specifier:           McConnell Dowell  
Main Contractor:           McConnell Dowell  
Specialist Contractor:       Maxbuild Limited



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more information



Specialist Contractor preparing solution Sikagard®-62 a protective coating used to protect the vapour zone in the sedimentary tanks.

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