



# SIKA AT WORK

KIWIRAIL BRIDGE 100,  
KAUKAPAKAPA, AUCKLAND

SEALING & BONDING · REFURBISHMENT

BUILDING TRUST



# KIWIRAIL BRIDGE 100, KAUKAPAKAPA, AUCKLAND



## PROJECT DESCRIPTION

The KiwiRail Bridge 100 in Kaukapakapa spans over a farm road. The bridge structure consists of precast concrete segments which sit on beams connected to abutments and piers.

## PROJECT REQUIREMENT

The design required a watertight strong bond between the precast concrete segments that would be able to handle climate conditions as well as the heavy vibration from the trains travelling over the structure.

## CHALLENGES

When the segments were positioned against each other, there needed to be good lubrication against the segments to get them into perfect position.

## SIKA SOLUTION

Sikadur®-31 SBA S-04 was the ideal choice to meet the project requirements. It is a 2-part epoxy based moisture tolerant, structural adhesive especially formulated for segmental bridge construction. It has good squeezability, high initial strength gain, hardens without shrinkage and complies with many international and national standards such as FIP, ASTM, etc.

## PRODUCTS USED

Sikadur-31 SBA S-04

## PROJECT PARTICIPANTS

Product Specifier:	Adam Nixon
Main Contractor:	Fulton Hogan
Specialist Contractor:	Fulton Hogan
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