

Project Experience

Infrastructure – Bridges



Project Information

location	New Zealand
client	SSP Engineering
project	Kaitaitai Bridge
date of project	Jan 2020
climatic conditions	High humidity
substrate	Carbon steel
surface preparation	ST3
system	MCU-Miozinc MCU-Alutopcoat
coverage	2 coat (260µm)

Our moisture cured urethane coatings has been selected as the material of choice for maintenance repair on the Kaitaitai Stock Bridge, which was only 18 months old yet showed signs of coating failure as the existing coating was already chalking and corroding due to the chemical attack in the form of cow manure and urine (ammonia).

SSP Engineering / The Bowling Group chose to apply MCU-Coatings for various reasons:

- *MCU-Miozinc's ability to be applied on ST3 prepared surfaces and to adhere tenaciously to suitably prepared existing coatings*
- *MCU-Aluprime's chemical and UV resistance*
- *the coating's ability to be applied year round and in high humidity and low temperatures; and*
- *the coating's rapid cure and overall durability.*

Joe Pitman, Managing Director of SSP Engineering said, 'Moisture cured urethanes are both weather and surface tolerant and cure rapidly, which is really beneficial when applying product outdoors. Aside from the ease of application, I wanted a product that will pass the test of time achieve +20 years before first maintenance.'