

CASE STUDY

KENNY'S FOREST FLYER

DREAMWORLD, AUSTRALIA



Contractor : Specialised Industrial Solutions

Date of Project : May 2023

Products / System Used :

Bristle Blast the surface

Metalox-GC450 - 125-200µm

Metalox-GC450 - 180-250µm

Opalon-S30 - 60-100µm

THE PROJECT

The contractor approached the LiquiMix team seeking a maintenance system for the KFF rollercoaster that could be easily applied on-site while providing long-lasting performance. The system would need to protect the steel from corrosion and provide a vibrant, high-gloss colour finish.

THE SOLUTION

LiquiMix recommended a system for repairing corroded steel and a maintenance system for application over the preexisting coating system. The system for corroded steel required surface preparation with a bristle blaster and the application of a three-coat system of two coats of Metalox-GC450 (a high-build epoxy protective coating) and a topcoat of Opalon-S30 (a decorative, high-gloss polyaspartic finish). The system for the preexisting coating requires a high-pressure water wash to remove the loose preexisting coating. Upon successful adhesion checks, the remaining coating was mechanically sanded, and the dust was removed. The existing coating was then overcoated with a topcoat of Opalon-S30, a decorative high-gloss polyaspartic finish.

THE RESULT

The specified protective coating system will provide very high durability for a C5 corrosivity category, with an expected service life of 25 years. The top coat of Opalon-S30 will provide a long-lasting, vibrant colour with high gloss retention. The general recommendations for future projects are to use Metalox-GC450's protective characteristics and Opalon-S30's decorative characteristics.



Before Application



Before Application



After Application



After Application