



POLY-TECH INDUSTRIAL SERVICES

THE ASSET PROTECTION &
RESTORATION SPECIALISTS

PROJECT SUMMARY

Project

Poly-Tech Bridge & Water
Crossing Solutions
State Infrastructure

Substrate

Concrete

Surface Preparation

High Pressure Wash 400 PSI

Concrete Repair System

Renderoc HB70

Paint Coating System

Ceilcote 680

Interplus 356

Interfine 878

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Patawalonga Weir Gates

Salts are a natural part of the Australian landscape. Concentrated salts and different types of salts once dissolved and mobilised in water, can have a negative impact on the durability of concrete.

Coastal assets in particular are prone to daily attack therefore a robust protective coating is a must to ensure the ongoing service and longevity of any structure.

In March 2014 the Patawalonga weir gates were upgraded and widened. The new walkway enabled council to carry maintenance vehicles and also allow ample space for the pedestrians and bicycle users.

The project delivered by York Civil included the refurbishment of the two vertical gates at the entrance to the Patawalonga, plus construction of a new pedestrian walkway across the weir and a duplicate walkway over the adjoining boat lock.

As part of this weir upgrade, Poly-Tech were engaged by York Civil and awarded the package to undertake concrete repairs and protective coatings to the Weir structures.

The project involved repairs to cracked, broken and spalling concrete using Renderoc HB70 wet spray system. This was carried out with first using a 4000 psi pressure wash followed by a self contained diesel driven spray pump to achieve a smooth and attractive trowel finish.

The protective coatings included the application of Ceilcote 680, Interplus 356 and Interfine 878 (Akzo Nobel Products)

The end result was an attractive and functional weir structure suitable for both pedestrians and cyclists.

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COMPLETE ASSET PROTECTION