

# Belzona is Keeping the Port Cranes Corrosion Free

ID: 9963

Industry: *Transport*  
Application: *SOS-Ships and Offshore Structures*

Customer Location: *South Florida*  
Application Date: *June 2025*

Substrate: *Carbon steel*  
Products: *Belzona 1121 (Super XL-Metal)*

## Problem

*The trolley rail bed flanges have been corroding due to the aggressive environment and ponding rainwater. The inevitable pitting was affecting the functioning of the cranes.*



Zoom out picture of one of the cranes.



Condition of the rail bed flange before surface preparation



Belzona 1121 being applied



Application of Belzona 1121 completed in two sections

## Application Situation

The port maintenance personnel has been using Belzona 1121 for several years with excellent results. It was chosen for this difficult application due to the extended working life and easy 1:1 mixing ratio, and of course the undeniable trust of the port maintenance crews and decision makers. They considered welding which it would have been extremely expensive at 70 feet height.

## Application Method

All metal surfaces were grit-blasted to SSPC-SP10 several days prior to the application. During application days, the same metal surfaces were prepared with power tools and cleaned/degreased with a solvent rich cleaner.

## Belzona Facts

The customer had full confidence in Belzona products and know-how procedures. Belzona saved the port a lot of money and downtime if they would have decided for welding.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015  
FS 695214  
ISO 14001:2015  
EMS 695213

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9000 Registered Quality  
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