

# Belzona Florida Repairs water Discharge Flange

ID: 9237

Industry: Power  
Application: VPF-Valves, Pipes and Fittings  
Substrate: Concrete  
Products: Belzona 1111 (Super Metal), Belzona 1321 (Ceramic S-Metal)

Customer Location: Fort Lauderdale, Florida  
Application Date: December 2023

## Problem

The customer had a non-Belzona coating previously applied that failed, causing corrosion scaling on the interior edge of the flange.



Showcasing and measuring the damage caused by the corrosion.



Showcasing and measuring the damage caused by the corrosion.



Rebuilding the damage using Belzona 1111.



Application of Belzona 1321.

## Application Situation

Belzona offered time savings and replacement of failed non-belzona coating.

## Application Method

Removed corrosion scaling with pneumatic chipping guns and needle scalers. A high pressure grit blaster with 24 grit aluminum oxide was utilized to obtain a SSPC SP-10 level of cleanliness with a minimum surface profile of 3 mils. Keane-Tator Surface Profile Comparator grit was used to verify the surface profile. The area was then soaked with demineralized water and left to sit overnight to allow chlorides to leech out. Then it was brush blasted with 30 grit aluminum oxide back to SSPC SP-10.

## Belzona Facts

Saved the company downtime and provided them with a long lasting and reliable solution.

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

Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
Management System.

[www.belzona.com](http://www.belzona.com)

  
**BELZONA**  
Repair • Protect • Improve