

# BELZONA REFURBISHES RAW WATER STRAINER

ID: 1497

Industry: Power  
Application: WPA-Wall Problem Areas  
Substrate: Cast iron  
Products: \* Belzona® 1311 ( Ceramic R Metal ) ,  
\* Belzona® 1321 ( Ceramic S Metal ) ,

Customer Location: Power Plant, Missouri  
Application Date: Summer, 2010

## Problem

The existing coating had completely failed allowing severe pitting within the housing to occur. The customer was concerned not to allow further loss of wall thickness.



## Photograph Descriptions

- \* The strainer housing ,
- \* Deep corrosion pitting clearly evident ,
- \* Completed application ,
- \* ,

## Application Situation

Housing of raw water strainer.

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflets VPF-1 & 2. The substrate was first prepared using needle guns to remove scale and remaining coating. This exposed more pitting that the customer could not previously see. The substrate was then grit blasted before Belzona® 1311 was used to fill in pitting and smooth out the entire surface. Finally two coats of Belzona® 1321 were applied.

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.

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Repair • Protect • Improve

## Belzona Facts

Replacement cost was near \$20k. The repair was completed for approximately \$3k in product. Cost saving was an estimated \$17k, not including downtime. The job was completed in one shift.

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