

# BELZONA PROTECTED SUBMERSIBLE SLUDGE PUMP SIX YEARS ON

ID: 6125

Industry: *Pulp & Paper*  
Application: *CEP-Centrifugal Pumps*  
Substrate: *Cast Iron*  
Products: *\* Belzona 1311 (Ceramic R-Metal) ,*  
*\* Belzona 1321 (Ceramic S-Metal) ,*  
*\* Belzona 5811 (Immersion Grade) ,*

Customer Location: *Paper Mill, Italy*  
Application Date: *June 2016*

## Problem

*Previously the pump only lasted two years in service before requiring major overhaul. Originally coated in 2010 with Belzona, after six years of uninterrupted service, the customer opened the pump for mechanical maintenance. Belzona coating was found to be in excellent condition but it was decided to refresh the Belzona protection to prepare the pump for more years of service in sludge.*



## Photograph Descriptions

- \* Internals after six years in service ,
- \* Casing after six years in service ,
- \* Impeller recoated in 2016 ,
- \* Casing and internals recoated in 2016 ,

## Application Situation

Casing and components of a submersible sludge pump.

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflets CEP-1, CEP-3 and CEP-4. The coating applied

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

ISO 9001:2015  
Q 09335  
ISO 14001:2015  
EMS 509612

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

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in 2010 was roughened and the new coating was applied on top.

## Belzona Facts

Throughout its six-year service life, the pump faced zero downtime due to Belzona erosion-corrosion protection.

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