

# Renovation of a liquid cyclone head with Belzona

ID: 8148

Industry: *Pulp & Paper*  
Application: *VPF-Valves, Pipes and Fittings*  
Substrate: *Carbon Steel*  
Products: *\* Belzona 1814 ,*  
*\* Belzona 1321 (Ceramic S-Metal) ,*

Customer Location: *Paper mill in France*  
Application Date: *2019*

## Problem

*The piece of equipment was badly damaged by erosion caused by the paper paste which is very abrasive.*



## Photograph Descriptions

- \* Liquid cyclone head badly damaged ,
- \* After grit blasting ,
- \* After Belzona 1814 application ,
- \* Completely renovated after Belzona 1321 application ,

## Application Situation

Inside of a liquid cyclone head for paper

## Application Method

Application was carried out in accordance with Belzona System Leaflet VPF-01 and VPF-02. The corroded metal structure was blasted back to bare metal using grit blasting and the eroded areas were rebuilt applying Belzona 1814 with spatula. Belzona 1321 was applied with brush to protect against future erosion/corrosion.

## Belzona Facts

The repair cost was near to the replacement cost but with the Belzona 1321 coating, the equipment's expected service life is up to three times longer.

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

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