

# Protecting a Pipe Spool

ID: 8999

**Industry:** Pulp & Paper  
**Application:** VPF-Valves, Pipes and Fittings  
**Substrate:** Stainless-steel  
**Products:** Belzona 4301 (Magma CR1 Hi-Build)

**Customer Location:** South Carolina, USA  
**Application Date:** August 2022

## Problem

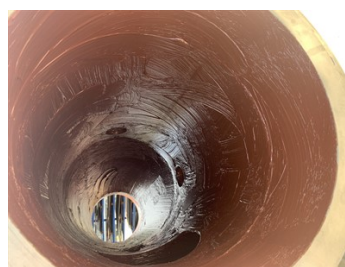
The pipe spool is in an area where 90% Sulfuric Acid is injected into their system, and there have been problems with chemical corrosion inside the pipe spools especially at the weld seams. The customer has tried different types of pipes and protective coatings, but nothing worked. They would have to replace this section with a new pipe spool every three to six months. The customer had used Belzona 4301 Magma CR1 Hi-Build in another area of the plant, and Belzona 4301 had worked great in that area. We decided to apply Belzona 4301 to the interior of the new pipe spool.



Pipe spool with interior pipes blasted to attain proper surface preparation.



Interior of pipe spool with Belzona 4301 applied.



Different view of the interior of the pipe spool after applying Belzona 4301.



Finished product curing in the South Carolina August Sun.

## Application Situation

Client was spending almost \$50k every six months replacing this pipe spool. Once they started using Belzona 4301, they did not have to replace the spool.

## Application Method

After blasting, we applied Belzona 4301 using brushes. It was tricky in some of the smaller pipe areas of the spool, but we were able to get a good application on the entire internal pipe spool. We inspected the areas thoroughly after the application.

## Belzona Facts

This application saved the client about \$80k last year. They used Belzona as a last result. They had tried other inferior products and paid the price. They were very skeptical at first, but Belzona 4301 did the job! They were very happy with the results.

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

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