

# PIPE ELBOW REPAIRED AND PROTECTED WITH BELZONA

ID: 5815

Industry: General Industry  
Application: SHM-Solids Handling Machinery

Customer Location: Arthur, ON, Canada  
Application Date: March 2015

Substrate: Light gauge mild steel  
Products: \* Belzona 1111 (Super Metal) ,  
\* Belzona 1812 (Ceramic Carbide FP) ,  
\* Belzona 4151 (Magma-Quartz Resin) ,  
\* Belzona 9381 (Reinforcement Sheet) ,  
\* Belzona 9811 (Alumina Tiles) ,

## Problem

The blast material going through the pipe wore a hole to the side of the pipe elbow.



## Photograph Descriptions

- \* Prior to application ,
- \* Application in progress ,
- \* Completed application ,

## Application Situation

The pipe for the return air and media blast material from the blast machine.

## Application Method

The application was carried out in accordance with Belzona Know-How System leaflet SHM-8 for rebuilding worn pipe elbows. Belzona 9811 was bonded to the outside of the elbow with Belzona 1111. Then, Belzona 9811 was grouted using Belzona 1812 to

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FS 695214  
ISO 14001:2015  
EMS 695213

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fill in all the gaps with the abrasion resistant material. Then, Belzona 9381 was wrapped around the elbow wetted out with Belzona 4151.

## Belzona Facts

The customer was replacing the pipe with a new pipe, which was very costly. The Belzona repair didn't just save the customer money, it also lasted longer than just the pipe alone.

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