

# Plate bond to repair and protect a chute that has powder lime blown through it

ID: 9366

Industry: *General Industry*  
Application: *SHM-Solids Handling Machinery*

Customer Location: *Baton Rouge, LA*  
Application Date: *April 2024*

Substrate: *Carbon steel*  
Products: *Belzona 1212, Belzona 1812 (Ceramic Carbide FP)*

## Problem

*The chute which carries powder lime had a hole in it they needed to repair in place while adding abrasion protection with Belzona 1812*



Area before being cleaned and prepared for work.



Area being prepared for application of Belzona 1212 and plate bond with Belzona 1812.



Belzona 1812 being applied to prepared plate to get ready to bond it to the chute.



Job complete. Belzona 1212 and reinforcement cloth used to repair holes then a plate was boned with Belzona 1812 for abrasion protection.

## Application Situation

The Belzona repair was the most cost effective due to being unable to weld in this area. They also wanted to add abrasion protection for the future, so a plate bond with Belzona 1812 was perfect for this.

## Application Method

Belzona application tools and short bristled brushes were used for the hand application of Belzona 1812 and Belzona 1212.

## Belzona Facts

The customer was able to both save time and money because they didn't have to take apart the equipment. We were able to make the repair with minimal down time in situ.

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

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