

# BELZONA REPAIRS AND PROTECTS CHIPPER DISC POCKETS

ID: 5351

Industry: *Pulp & Paper*  
Application: *SHM-Solids Handling Machinery*

Customer Location: *WA, USA*  
Application Date: *2011*

Substrate: *Steel*  
Products: *\* Belzona 1811 (Ceramic Carbide) ,*  
*\* Belzona 9411 (Release Agent) ,*

## Problem

*Excessive wear in the chipper disc pockets was damaging the chips.*



## Photograph Descriptions

- \* Grit blasting the chipper disc pockets ,
- \* Pocket ready for application of Belzona 1811 ,
- \* Pocket from front side showing counter knife in place, Belzona 1811 in the pocket ,
- \* Smoothing Belzona 1811 with soap and water to prevent chips from sticking ,

## Application Situation

Plywood mill core chipper disc.

## Application Method

The chipper disc pockets were sweated and grit blasted in place. Belzona 9411 was brushed onto the new counter knives. The counter knives were installed and Belzona 1811 was applied in the pockets. After a partial cure, water mixed with dish soap was used to smooth the surface so the wood chips would not clog the pockets. The application was carried out in accordance with Belzona Know-How System Leaflet SHM-13.

## Belzona Facts

Removing the disc to be sent out for welding, machining and stress relieving would cost \$30,000.00 or more. With Belzona, the job was completed on a Saturday, in place, and was ready for operation on Monday morning.

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

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

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

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Repair • Protect • Improve

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