

# BELZONA GIVES ABRASION RESISTANCE TO ELBOW

ID: 5911

Industry: General Industry

Customer Location: Wood Product Manufacturer, ON,  
Canada

Application: SHM-Solids Handling Machinery

Application Date: August 2015

Substrate: Steel

Products: \* Belzona 1812 (Ceramic Carbide FP) ,

## Problem

Blown wood particles create loss of wall thickness due to abrasion, eventually leading to blow-outs and loss of production.



## Photograph Descriptions

- \* General view of elbow ,
- \* Application of Belzona 1812 to replaceable back ,
- \* Close up of application of Belzona 1812 to elbow ,
- \* Completed application ,

## Application Situation

Worn pipe elbow

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet SHM-8 for rebuilding worn pipe elbows. Belzona 1812 was selected as the appropriate Belzona material and applied to the wear areas of the elbow and the replaceable back, keeping within the designated wearing surface. The application was completed using a rigid applicator.

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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## Belzona Facts

The wood chips used to produce the particleboard at the Ontario facility are recycled. The wood chips, fibers and particles are moved around the facility and processes by mechanical and pneumatic means. A change of direction in the pneumatic system such as an elbow creates a wear point in the system. A hardened weld overlay solution had previously only lasted four months. Thus, the Belzona solution was selected by the customer.

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