

# BELZONA OVERCOMES WEAR PROBLEMS CAUSED BY CORN

ID: 1219

Industry: General Industry

Customer Location: Corn Processing Plant, West Tennessee  
USA

Application: SHM-Solids Handling Machinery

Application Date: 2007

Substrate: Carbon Steel

Products: Belzona® 1812 (Ceramic Carbide FP)

## Problem

Carbon Steel was lasting less than 1 year and down time was a continuous problem in the plant. A lining which would take the wear from corn and soyabean was needed.



## Photograph Descriptions

\* A Chute Lined with Belzona® 1812 , \* A Spout Lined with Belzona® 1812 , \* A Transition Piece Lined with Belzona® 1812 , \* Mixing Blades protected with Belzona® 1812 ,

## Application Situation

Carbon Steel equipment handling corn

## Application Method

Applications were carried out in accordance with Belzona Know-How System Leaflet SHM-13. After grit blasting the newly fabricated chutes, spouts, and mixing blades, 1/2 inch of Belzona® 1812 was applied to the wear areas.

## Belzona Facts

Belzona has doubled and in some cases tripled the life of the equipment. Previous linings had delaminated and contaminated the product.

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

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manufactured under an ISO  
9000 Registered Quality  
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