

# BELZONA REPAIRS CORN WEAR

ID: 1237

Industry: General Industry

Application: SHM-Solids Handling Machinery

Customer Location: Corn Processing Plant, West Tennessee

Application Date: 2007

Substrate: Stainless steel

Products: \* Belzona® 1812 (Ceramic Carbide FP) ,  
\* Belzona® 1221 (Super E-Metal) ,

## Problem

Ceramic tiles had fallen out of the vacuum system exposing the Stainless steel substrate. The corn being pulled through system quickly wore a hole through the steel causing loss of vacuum and stoppage of the unloading facility.



## Photograph Descriptions

- \* The hole in the Vacuum system prior to repair ,
- \* External repair of hole with Belzona® 1221 bonded plate ,
- \* Internal repair with Belzona® 1812 applied ,

## Application Situation

Vacuum system is used to unload barges of corn for delivery to the processing facility.

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet SHM-13. A metal plate was bonded to the exterior with Belzona® 1221 prior to rebuilding the lost tile areas with Belzona® 1812.

## Belzona Facts

With this vacuum system down the corn could not be unloaded from barges and a replacement for this damaged section would have been months away. The Belzona solution offered a quick turn-around allowing barges to once again be unloaded and the plant to continue un-interrupted production.

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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