

BELZONA REPAIRS CORN WEAR

ID: 1237



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.

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.

INDUSTRY

General Industry

LOCATION

Corn Processing Plant, West Tennessee

APPLICATION DATE

2007

PRODUCTS

Belzona 1812 (Ceramic Carbide FP)
Belzona 1221 (Super E-Metal)

SUBSTRATE

Stainless steel

PHOTOS

1. The hole in the Vacuum system prior to repair
2. External repair of hole with Belzna 1221 bonded plate
3. Internal repair with Belzona 1812 applied

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