

# EVAPORATOR BARREL PROTECTION WITH BELZONA

ID: 1264

Industry: Food & Drink

Customer Location: Virginia, USA

Application: SHM-Solids Handling Machinery

Application Date: March 2009

Substrate: Mild Steel

Products: \* Belzona 2911 (Elastomer QD Conditioner),  
\* Belzona 2121 (D & A Hi-Coat Elastomer),  
\* Belzona 9331 (Reinforcing Sheet),

## Problem

The evaporator barrel is corroding from the inside out and springing leaks, which causes a temporary shutdown to repair the leak. The customer wanted a solution that would allow them to keep operating should a leak occur until they could plan a shutdown for a more permanent repair or replacement.



## Photograph Descriptions

- \* Preparation of the barrel ,
- \* Application of the first coat and reinforcing sheet ,
- \* Completed application of second coat ,
- \* Completed application ,

## Application Situation

Creating a secondary containment barrier around an evaporator in need of replacement. Tobacco processing company.

## Application Method

The application was carried out with a modified version of Belzona Know-How System Leaflet. An orbital sander with a scotch brite pad was used to lightly abrade the surface, which was too thin to achieve an ideal preparation. The surface was cleaned with MEK. A heavy coat of Belzona 2121 was applied, the barrel was wrapped with Belzona 9331 and a second heavy coat of Belzona 2121 was applied.

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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## Belzona Facts

Providing a secondary containment barrier for the evaporator allows the customer to keep operating should an untimely leak in the barrel occur, as well as plan for a permanent repair to the barrel or replace the evaporator. This saved them time and money from possible shutdowns.

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