

# Belzona Protects Blades Effectively against Abrasive Pulps

ID: 7485

Industry: *Mining & Quarrying*  
Application: *SHM-Solids Handling Machinery*

Customer Location: *Mines, Chemicals Sector, Senegal*  
Application Date: *February 2016*

Substrate: *Carbon steel*  
Products: *\* Belzona 1812 ,*

## Problem

*Severe blade abrasion*



## Photograph Descriptions

- \* 1. Initial repair by welding. ,
- \* 2. Blades protected with Belzona 1812 ,
- \* 3. Blades inspected after 12 months in service ,

## Application Situation

Pulp-agitator blades in the chemical section of the phosphate mine.

## Application Method

After removing the remainder of the rubber coating, the blades were welded on the heavily damaged areas. The surface was then grit-blasted before the application of Belzona 1812 according to the SHM-13 Belzona procedure.

## Belzona Facts

Previously, the mine had to shut down the tank every month to replace the rubber-coated blades. Once coated with Belzona 1812, the blades were inspected after 12 months in service and were in good condition, requiring some retouching on about 10% of the surface: In 2017. the customer asked for a repair of 16 blades for other storage tanks.

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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