

# BELZONA 9811 EXTENDS SERVICE LIFE OF FLOP GATE AT CEMENT PLANT

ID: 5024

Industry: Cement

Application: SHM-Solids Handling Machinery

Customer Location: Bagged Concrete Plant, Virginia, USA

Application Date: October 2006

Substrate: AR steel

Products: \* Belzona 1311 (Ceramic R-Metal) ,  
\* Belzona 9811 ,

## Problem

Excessive wear on the flop gate (valve) made of AR steel (AR 400). It only lasted 9 months before wearing out. Customer was looking for a longer term solution.



## Photograph Descriptions

- \* Quickcrete mixture on the conveyor belt ,
- \* Flop gate repair completed ,
- \* Flop gate repair close up ,

## Application Situation

A flop gate which is a chute that is “flopped” to one side or the other exposing the chute that the plant needs the aggregate in.

## Application Method

Application was carried out in accordance with Belzona System Leaflet SHM-7.

## Belzona Facts

Customer was looking for an 18 month life cycle rather than the 9 months provided by AR 400. The first option, Belzona 1811 (Ceramic Carbide) lasted about 9 months, equivalent to the AR 400 steel. Belzona 9811 tiles solution has been in place since the fall of 2006.

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ISO 9001:2015

FS 695214

ISO 14001:2015

EMS 695213

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