

# BELZONA PROVIDES ABRASION RESISTANT PROTECTION FOR SCREW CONVEYOR

ID: 6349

Industry: *Water / Wastewater*  
Application: *SHM-Solids Handling Machinery*

Customer Location: *Waste water treatment plant, Romania*  
Application Date: *May 2013*

Substrate: *Steel*  
Products: *\* Belzona 1812 (Ceramic Carbide FP) ,*

## Problem

*As part of its operation in a treatment plant's slurry clarifier, the screw conveyor was transporting dehydrated slurries. The hard particles in the slurry were causing abrasion of the conveyor blades.*



## Photograph Descriptions

\* 1. Screw conveyor affected by erosion corrosion 2. Metal loss on the blades 3. Belzona 1812 applied 4. Equipment life extended with Belzona protection ,

## Application Situation

The screw conveyor at a water treatment plant was suffering from significant metal loss.

## Application Method

Application was carried out in accordance with Belzona System Leaflet SHM-14. After gritblasting Belzona 1812 was applied to the blades to provide abrasion resistant protection.

## Belzona Facts

Belzona 1812 (Ceramic Carbide FP) offers resistance to abrasive wear, significantly extending the life of the screw conveyor.

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

Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
Management System.

[www.belzona.com](http://www.belzona.com)

  
**BELZONA**  
Repair • Protect • Improve