

# Belzona 1812 Saves Magnetic Wheel

ID: 7996

Industry: General Industry  
Application: SHM-Solids Handling Machinery

Customer Location: Portugal  
Application Date: June 2016

Substrate: Steel  
Products: \* Belzona 1812 ,  
\* Belzona 5811 ,

## Problem

Previous polyurethane coating failed due to impact from magnetically transporting heavy cans of ink from one conveyor belt to another. The customer needed a better solution, Belzona 1812 was chosen to carry out the application.



## Photograph Descriptions

- \* 1. Damaged magnetic wheel with existing polyurethane coating ,
- \* 2. Belzona 1812 being applied ,
- \* 3. Restored magnetic wheel showing it's magnetic capabilities ,
- \* 4. Finished application ,

## Application Situation

Restoring magnetic wheels in an ink factory.

## Application Method

The application was completed in accordance with an adapted version of Belzona System Leaflet SHM\_12. A test patch of Belzona 1812 was applied to the wheel to see if the magnets would still work covered with Belzona. A 4 kg tin can magnetically stuck to the wheel so the application went ahead. The previous polyurethane coating was removed and the steel was then blasted before reinstalling the magnets and applying Belzona 1812. Acetone was used to make the wheel look smooth and the sides were coated with Belzona 5811 for aesthetic purposes before delivering to the customer.

## Belzona Facts

The magnetic wheel is still in great conditions with no problems nearly 3 years on.

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ISO 9001:2015  
FS 695214  
ISO 14001:2015  
EMS 695213

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