

# BELZONA REPAIR OF RUBBER IMPELLER

ID: 744

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

Customer Location: Chemical Plant, Italy  
Application Date: November 2005

Substrate: Steel & Rubber  
Products: \* Belzona® 2131 (D&A Fluid Elastomer),  
\* Belzona® 2311 (SR Elastomer),

## Problem

Whilst casing had little damage, the impeller vanes were very badly damaged and needed rebuilding.



## Photograph Descriptions

- \* The damaged impeller ,
- \* Aluminum formers in place ,
- \* Casting underway ,
- \* The finished impeller ,

## Application Situation

Rubber covered pump impeller.

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet SHM-9. Aluminum forms were prepared and Belzona® 2131 poured in to restore profiles. Belzona® 2311 used to reform smaller areas.

## Belzona Facts

The Belzona repairs were cost effective and saved considerable downtime.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015  
Q 09335  
ISO 14001:2015  
EMS 509612

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

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

  
**BELZONA**  
Repair • Protect • Improve