

# IN SITU SHAFT REPAIR WITH BELZONA

ID: 973

Industry: *General Industry*  
Application: *MPT-Mechanical Power Transmission*

Customer Location: *Chemical Producer, UK*  
Application Date: *August 2003*

Substrate: *EN Grade Hardened Steel*  
Products: *Belzona® 1111 (Super Metal)*

## Problem

*Customer had un-scheduled failure of mixer vessel drive shaft which had previously been repaired using metal spraying.*



## Photograph Descriptions

\* Mixer Vessel , \* Failed Metal Sprayed Shaft , \* Form tool in position , \* Finished Shaft ,

## Application Situation

Mixer Vessel drive shaft

## Application Method

Old metal sprayed material was totally removed and shaft rebuilt using Belzona System Leaflet MPT-2. Former was made to allow repair to be completed in-situ.

## Belzona Facts

Removal of shaft for exchange or repair was expensive with hire of crane also needed. Belzona solution was quick, cost effective and took minimal downtime.

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