

# Axial flow pump rebuild & coating

ID: 9186

Industry: General Industry  
Application: CEP-Centrifugal Pumps  
Substrate: Carbon steel  
Products: Belzona 1111 (Super Metal), Belzona 1321 (Ceramic S-Metal)

Customer Location: Scotland  
Application Date: July 2023

## Problem

An axial flow pump had become damaged by erosion & corrosion in service leading to a loss in efficiency



Damaged pump body



Surface preparation



Rebuilding with Belzona 1111



Finished Belzona coating

## Application Situation

A pump body & impeller required rebuilding & protection from future damage

## Application Method

The components were grit blasting to SA2.5 & 75 microns. Lost metal was rebuild with Belzona 1111 (Super Metal). Two coating of Belzona 1321 (Ceramic S Metal) were then applied.

## Belzona Facts

This repair & coating allowed the pump to go back into service, saving it from scrap & making it more resistant to erosion & corrosion than the original components.

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

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