

# Metso Fly Ash Pump

ID: 9195

Industry:	Power	Customer Location:	Scotland
Application:	CEP-Centrifugal Pumps	Application Date:	March 2012
Substrate:	Carbon steel		
Products:	Belzona 1121 (Super XL-Metal), Belzona 1812 (Ceramic Carbide FP)		

## Problem

A pump used to transport fly ash was suffering severe erosion & corrosion in service. Due to the harsh conditions pump parts had to be replaced every 6 months.



Damaged parts after service



Rebuilding of casing



Impeller rebuild &amp; lining



The lining condition after 18 months of service

## Application Situation

The original parts were only lasting 6 months. Using Belzona linings took the in service time to over 18 months. These parts could then be relined & put back into service instead of being scrapped.

## Application Method

The pump impeller & casing were first grit blasted & then rebuilt using Belzona 1121. 3-6mm of Belzona 1812 was then applied to provide abrasion resistance.

## Belzona Facts

The cost of a new slurry pump was over £12,000, the Belzona repair & lining was carried out for approximately £7,000.

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

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