

# BELZONA PROTECTS THE SURFACE OF MAIN WATER-PUMP INLET MANIFOLD

ID: 7556

Industry: Mining & Quarrying  
Application: CEP-Centrifugal Pumps  
Substrate: Carbon steel  
Products: \* Belzona 1212 ,  
\* Belzona 5831 (ST Barrier) ,

Customer Location: Mining Company, Norway  
Application Date: September - October, 2017

## Problem

Severe corrosion on these pipes externals had developed over 50 years, several unsuccessful attempts to protect the pipe had been started and ended without fully protecting the surface over the last 10 years. Humidity of 100%, constant running water from the surface and no possibility to gritblast meant conditions were not ideal for a coating application.



## Photograph Descriptions

- \* 1. Overview of wet and condensed pipe manifold. ,
- \* 2. Surface preparation and first coat application ongoing. ,
- \* 3. First coat applied. ,
- \* 4. Final coat applied and cured. Constant running water from the surface can be seen. ,

## Application Situation

Corrosion on a 50 year old inlet manifold at the bottom of an 80 metre deep column in an Ilmenite factory.

## Application Method

Application was carried out in accordance with a modified version of Belzona Know-How System Leaflet CEP-4. Manual surface preparation was carried out using a combination of different tools. Belzona 1212 was used to fill deep pitting in the surface. Then, Belzona 5831 was applied for corrosion protection.

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  
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9000 Registered Quality  
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## Belzona Facts

The Belzona surface-tolerant products were the only option considered for this application due to the humid conditions and constantly wet surface in the work area. The drying out of the application area would be very cost and time consuming. 80 sqm of pipe surface was completed successfully as planned in 9 working days.

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