

# BELZONA RESTORES AND PROTECTS CORRODED PIPEWORK

ID: 6077

**Industry:** Steel & Metal Processing  
**Application:** VPF-Valves, Pipes and Fittings  
**Substrate:** Steel  
**Products:** \* Belzona 1111 (Super Metal) ,  
\* Belzona 5831 (ST-Barrier) ,  
\* Belzona 5811 (Immersion Grade) ,  
\* Belzona 9341 (Reinforcement Tape) ,

**Customer Location:** Steel plant, Czech Republic  
**Application Date:** 2012

## Problem

The lower part of the outer casing of the cooling circuit pipe was heavily corroded, causing a weakening of the actual mantle and localised coolant leak.



## Photograph Descriptions

- \* Corroded pipework ,
- \* Belzona 1111 and reinforcing metal plates applied ,
- \* Pipeline coated with Belzona 5811 incorporating Belzona 9341 ,

## Application Situation

Corrosion on the inlet and outlet pipes of the cooling circuit

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflets VPF-2 and VPF-11. After surface preparation, the badly corroded areas were repaired with Belzona 1111 and reinforcing metal plates. The pipeline was then treated with the Belzona 5831 and Belzona 5811 incorporating Belzona 9341 to provide long term corrosion protection.

## Belzona Facts

Replacing the pipework outright would have been hugely expensive and demanded an extensive period of downtime. Similarly, effecting basic welding repairs would have required lengthy shutdown, incurred additional health and safety risks, and would not

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

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manufactured under an ISO  
9000 Registered Quality  
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have protected the pipework against further corrosion. The Belzona solution allowed a rapid, inexpensive application with a minimum of downtime that provided a long-term solution to the problem.

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