

# PROTECTION OF DISTRICT HEATING SYSTEM

ID: 3430

**Industry:** Power  
**Application:** VPF-Valves, Pipes and Fittings  
**Substrate:** Steel  
**Products:** \* Belzona® 5851 (HA Barrier),  
\* Belzona® 5841,  
\* Belzona® 5831 (ST Barrier),

**Customer Location:** Electricity utility, Sweden  
**Application Date:** September 2009

## Problem

Corrosion on feed and return pipes as well as on supporting steelwork. System is in continuous use so products capable of application to hot surfaces required.



## Photograph Descriptions

- \* District heating Chamber before renovation ,
- \* Dry ice blasting ,
- \* Coating being applied ,
- \* The finished application ,

## Application Situation

Access chamber (5 x 5m) to district heating pipework.

## Application Method

Application was carried out in accordance with a modified version of Belzona Know-How System Leaflet VPF-2. Initially dry ice blasting was done to remove soil, oil and loose corrosion. Then two coats of the products were applied; Belzona® 5831 to supports and drainage pipe, Belzona® 5851 to feed-pipe & Belzona® 5841 to return pipe.

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.

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## Belzona Facts

Despite the limited amount of surface preparation together with the application being done in-situ and with the heating system in continuous use, cost effective long term corrosion protection could be provided using the individual Belzona products selected for the individual surface conditions/temperature. The client expressed his satisfaction with the appearance of the application when inspected after 2 years service.

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