

## CORROSION PROTECTION OF DISTRICT HEATING PIPEWORK WITH BELZONA

### CUSTOMER

District heating company, Sweden

### APPLICATION DATE

June 2013

### APPLICATION SITUATION

District heating system. Pipework in access chamber.

### PROBLEM

Corrosion under insulation and on the pipes, valves and other naked steel parts, due to water penetrating into the chamber.

### PRODUCTS

Belzona® 5831 (ST Barrier)

Belzona® 5841

Belzona® 5851 (HA Barrier)

### SUBSTRATE

Steel

### APPLICATION METHOD

Application carried out in accordance with a modified version of Belzona Know-How System Leaflet VPF-2. Blasting, with dry ice (Carbon Dioxide) used to remove corrosion. Coating of all metal parts carried out using; Belzona® 5831 on cold parts, Belzona® 5841 on the return water pipe and Belzona® 5851 on the feed water pipe.

### BELZONA FACTS

Belzona was chosen due to the ease of surface preparation carried out without damaging the pipes. Also the ability to coat the different temperature substrates whilst heating system remained in operation. Belzona's good reputation of corrosion protection of hot pipes within the petrochemical industry convinced client to proceed with this project.

### PICTURES

1. General view of corroded pipework in the access chamber
2. Blasting, with dry ice
3. Coating the hot feedpipe with Belzona® 5851
4. Completed work, with Belzona on all exposed steel parts



For more examples of *Belzona Know-How In Action*, please visit <http://khia.belzona.com>



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