

CORROSION PROTECTION OF DISTRICT HEATING PIPEWORK WITH BELZONA

ID: 4677



PROBLEM

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

APPLICATION SITUATION

District heating system. Pipework in access chamber.

APPLICATION METHOD

Application carried out in accordance with a modified version of Belzona 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 petrochem industry convinced client to proceed with this project.

INDUSTRY

Power

LOCATION

District heating company, Sweden

APPLICATION DATE

June 2013

PRODUCTS

Belzona 5831 (ST Barrier) Belzona 5841
Belzona 5851 (HA Barrier)

SUBSTRATE

Steel

PHOTOS

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

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