

PROTECTION OF DISTRICT HEATING SYSTEM

CUSTOMER

Electricity utility, Sweden

APPLICATION DATE

September 2009

APPLICATION SITUATION

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

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.

PRODUCTS

Belzona® 5851 (HA Barrier)

Belzona® 5841

Belzona® 5831 (ST Barrier)

SUBSTRATE

Steel

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.

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.

PICTURES

1. District heating Chamber before renovation
2. Dry ice blasting
3. Coating being applied
4. The finished application



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