

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
Q 09335
ISO 14001:2015
EMS 509612

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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