BELZONA IMPROVES PROTECTION AT BASE OF CHIMNEYS

ID: 2946

Industry: *Power*
Application: *ENC-Engines and Casings*
Substrate: *Steel and concrete*
Products: ** Belzona® 3211 (Lagseal) ,*
** Belzona® 5811 (Immersion Grade) ,*

Customer Location: *Municipality, Sweden*
Application Date: *September 2011*

Problem

The chimneys are made of steel and are resting on a concrete base. Moisture between the chimney and the supporting concrete resulted in corrosion taking place on the chimney as well as a high risk for frost heave in the concrete.

Photograph Descriptions

* Chimney Base for the furnace before the repair ,
* Application of Belzona® 3211 ,
* Reinforcement sheet incorporated into the Belzona® 3211 coating bridging the steel/concrete junction ,
* The finished application with Belzona® 5811 providing corrosion protection on the steel chimney ,

Application Situation

Three Chimneys for furnaces.

Application Method

Application was carried out in accordance with Belzona Know-How System Leaflets GSS-3 and TCC-5. After grit blasting the repair area, the steel was protected with Belzona® 5811 and the Belzona® 3211 reinforced system was applied across the junction between steel and concrete.

Belzona Facts

Belzona micro-porous Membrane systems are extenmsively used to provide weather-proofing of tank bases so as to prevent under-tank corrosion, the same arrangement and problems as found on these chimneys. The system prevents water entering whilst allowing any existing moisture to dry out.

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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For more examples of Belzona Know - How In Action, please visit https://khia.belzona.com

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