BELZONA IMPROVES PROTECTION AT BASE OF CHIMNEYS

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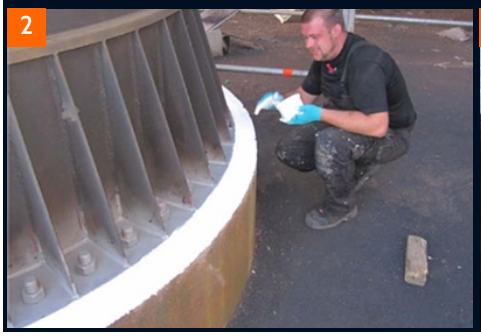
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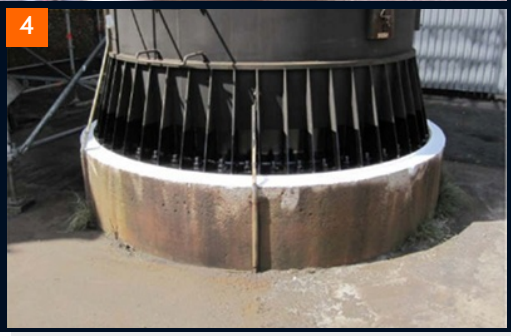
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PROBLEM
The chimneys are made of steel and are resting on a concrete base. Moisture between the chimney and the supporting concrete resulted in corrosion taking place on the chimney as well as a high risk for frost heave in the concrete.

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.

INDUSTRY
Power

LOCATION
Municipality, Sweden

APPLICATION DATE
September 2011

PRODUCTS
Belzona 3211 (Lagseal)
Belzona 5811 (Immersion Grade)

SUBSTRATE
Steel and concrete

PHOTOS

1. Chimney Base for the furnace before the repair
2. Application of Belzona 3211
3. Reinforcement sheet incorporated into the Belzona 3211 coating bridging the steel/concrete junction
4. The finished application with Belzona 5811 providing corrosion protection on the steel chimney