

BELZONA REPAIRS STUB PIPE AT STEEL MILL

ID: 1600



PROBLEM

These safety immersion tanks were damaged around the connection and the walls through the chemical attack of the contained medium (coke gas and water) and local steam. The temperatures ranged from 50°C to 104°C

APPLICATION SITUATION

Corrosion of safety immersion tanks in the coke manufacturing plant

APPLICATION METHOD

Application was carried out in accordance with a modified version of Belzona Know-How System Leaflet TCC-1. A stub pipe welded to a formed plate was fabricated. Belzona® 1111 was applied to both surfaces and then assembled. Metal strapping was used to hold it in place whilst the Belzona cured. Excess material was used as a fillet around the plate. After completion of cure the straps were removed.

BELZONA FACTS

In addition to the bonding of the stub pipe plate, reinforcement plates were also used in this plant. See KHia (XXXXXXXXXX) This Belzona repair allowed effective repairs to be carried out quickly on site with out hot work or risk of distortion.

INDUSTRY

Buildings & Structures

LOCATION

Steel Mill, North-Rhine Westphalia, Germany

APPLICATION DATE

August 1997

PRODUCTS

Belzona 1111 (Super Metal)

SUBSTRATE

Aluminium

PHOTOS

1. The corroded tank and pipe
2. Application of Belzona 1111
3. Fitting the plate
4. Finished application

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

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