

BELZONA REPAIRS PIPES TRANSPORTING SULFURIC ACID

ID: 232



PROBLEM

Thin spots were detected on the pipe by UT inspection. The pipe required reinforcement.

APPLICATION SITUATION

Pipe carrying sulfuric acid at 80 psi.

APPLICATION METHOD

The application was carried out in accordance with a modified version of Belzona Know-How System Leaflet VPF-11a.

BELZONA FACTS

Belzona® 4300 Series Magma Polymers resist sulfuric acid at concentrations up to 98%. Prior to this repair the customer conducted a test to evaluate the Belzona materials. A hole was drilled through a mock pipe, and the Belzona Polymers were applied with a reinforcement sheet. The pipe held to 800 psi before leaking.

INDUSTRY

Chemical & Petrochemical

LOCATION

Refinery in Minnesota, U.S.A.

APPLICATION DATE

1996

PRODUCTS

Belzona 4301 (Magma CR1 Hi-Build)
Belzona 4311 (Magma CR1)
Belzona 9341 (Reinforcement Tape)

SUBSTRATE

Stainless steel

PHOTOS

1. Following surface preparation by cleaning, Belzona 4301 was applied with reinforcement tape
2. Finishing touches with a top coat of Belzona 4311
3. Finished job

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

Belzona products are manufactured under an ISO 9001 Registered Quality Management System.

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