

Sulfuric Acid Flange Repairs with Belzona 4301

ID: 9415

Industry: Oil & Gas
Application: VPF-Valves, Pipes and Fittings
Substrate: Carbon steel
Products: Belzona 4301 (Magma CR1 Hi-Build)

Customer Location: Addis, Louisiana
Application Date: April 2024

Problem

Damaged Flange from sulfuric acid.



Flange with Sulfuric Acid Damage



Flange After Repair with Belzona 4301

Application Situation

Reference: Sulfuric Acid Flange Repairs

(3) 72" Flanges

(6) areas of repair approx. 4"x4"

- prepared the substrate on the damaged area as listed and points surrounding the damaged area.
- Applied Belzona 4301 system to the area of repair as listed.
- Allowed full cure of product prior to applying any chemicals, this took 4-Days at 86 degrees F.

Under \$10k for full repair

Application Method

Profile of 3 mils

Blasted clean to SSPC SP 10

Utilized stiff Bristle brush to apply fully conditioned Belzona 4301

Confirmed weather conditions and overcoat windows

Waited for full cure

Belzona Facts

Cost and Time savings with minimal downtime for client.

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

ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

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