

BELZONA SOLVES SPECIAL PUMP PROTECTION PROBLEM

ID: 9844



PROBLEM

The customer had a long-term problem with this special 6-stage mixing pump in terms of corrosion.

APPLICATION SITUATION

We were first approached by a customer to solve this problem in 2000. The pump mixes very aggressive media (a mixture of BTX 20%, Ethylene glycol 40% and N-methylpyrrolidone 40%) at temperatures exceeding 73°C. Several competing protective materials failed. After testing several Belzona products, Belzona 4111 and 4331 proved to be the best and most durable solution.

APPLICATION METHOD

Blasting of individual parts, chemical cleaning, sealing of affected parts with Belzona 4111, application of Belzona 4331 coating, and finally we also implemented an external protective coating.

BELZONA FACTS

By applying Belzona products, we have extended the pump's operating cycle several times and increased its efficiency by eliminating pitting corrosion. Thanks to a successful repair, this pump protection is carried out at regular intervals.

INDUSTRY

Chemical & Petrochemical

LOCATION

Bratislava

APPLICATION DATE

August 2023

PRODUCTS

Belzona 4111 (Magma-Quartz)
Belzona 4331 (Magma CR3)

SUBSTRATE

Carbon steel

PHOTOS

- 1. Corrosion damaged equipment
- 2. Blasting equipment for Belzona product application
- 3. Belzona 4111 was used to fill the pitting corrosion
- 4. Mixing pump parts before shipment

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

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