

BELZONA REPAIRS GLASS LINED REACTOR

ID: 4940



PROBLEM

Due to the operational environment the glass lining in the reactor and on the agitator paddle was severely damaged exposing the base metal to severe corrosion.

APPLICATION SITUATION

Chemical Reactor used to produce industrial cleaners and disinfectants. The process uses a mixture of acids and alkalis at an operating temperature up to 70°C.

APPLICATION METHOD

Application was carried out in accordance with Belzona Know How System Leaflets TCC-3.

BELZONA FACTS

Due to the extent of damage, especially on the paddle area, no other repairs alternative was available. The only option was replacing the reactor with new unit. The Belzona solution was completed on site and the unit was back to service in two days. The unit was inspected in 2012 and apart from slight erosion on the paddle was found in excellent condition.

INDUSTRY

Chemical & Petrochemical

LOCATION

Chemical Plant, Israel

APPLICATION DATE

2009

PRODUCTS

Belzona 1311 (Ceramic R-Metal)
Belzona 1392 (Ceramic HT2)

SUBSTRATE

Steel & Glass

PHOTOS

1. The reactor
2. Damage on the paddle
3. Reactor damage
4. Completed reactor repairs

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