

AUTOCLAVE REPAIR USING BELZONA SUPERWRAP II

ID: 8881



PROBLEM

Leaks on the weld seam of the water-cooled jacket of this process vessel.

APPLICATION SITUATION

A composite repair was carried out on a process vessel in the chemical industry using Belzona SuperWrap II. In order to prevent further leaks and to extend the life of the process vessel.

APPLICATION METHOD

Application carried out in accordance with a modified version of Belzona Know-How System Leaflet VPF-11. After blasting, the weak spots in the mantle are filled with the Belzona 1111 metal paste. Then the wrapping repair was carried out in at least 3 layers. The resin selected for this application is the Belzona 1983, because of the temperatures and the longer processing time. Belzona SuperWrap II is a composite repair that strengthens weaker metal structures on pipes and process vessels, mainly when applied on high-pressure systems.

BELZONA FACTS

Due to the long lead times to renew the vessel, this customer has a solution that has influenced the production process as little as possible.

INDUSTRY

Chemical & Petrochemical

LOCATION

Netherlands

APPLICATION DATE

October 2022

PRODUCTS

Belzona 1111 (Super-Metal)

Belzona 1983 (Superwrap II Resin)

Belzona 9381

Belzona 9382

SUBSTRATE

Carbon steel

PHOTOS

1. Initial condition
2. Plate bonding applied
3. Application of Belzona SuperWrap II
4. Complete application

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.

www.belzona.com

