

BELZONA SUPERWRAP II APPLICATION ON MONEL 400 BELLOWS BETWEEN CONVOLUTIONS

ID: 9327

Industry: Chemical & Petrochemical
Application: TCC-Tanks and Chemical Containment Areas

Customer Location: Runcorn
Application Date: March 2024

Substrate: Other
Products: Belzona 1511 (Super HT-Metal), Belzona 1981 (SuperWrap II)

Problem

There was a small crack in the Monel which needed terminating and filling with Belzona 1511. The bellow also required strengthening.



Worn and cracked bellows between two convolutions



Crack in the bellows terminated and filled with Belzona 1511



Consolidation film wrapped around SuperWrap II application to ensure adhesion



Completed temporary solution for cracked and worn bellow

Application Situation

Belzona SuperWrap II offered strength and durability to a piece of machinery that had previous issues with durability as it is set between convolutions.

The customer was extremely satisfied and will be replacing all their bellows during a planned shutdown in June and will be applying Belzona SuperWrap II to all of the new bellows.

Due to site imposed limitations, the repair was carried out as a temporary solution.

Application Method

Surface preparation was done using manual tools removing rust and debris from the surface taking care not to penetrate the 2mm thick Monel Bellow. The crack was terminated and filled with Belzona 1511.

Belzona 1983 was then applied to increase strength and durability of the bellow.

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

Belzona products are
manufactured under an ISO
9000 Registered Quality
Management System.

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BELZONA
Repair • Protect • Improve

Belzona Facts

This was a very successful application and received high praise in the feedback, "I have to say I have been to inspect the Belzona repair today, and I am very happy with the work the lads carried out on our bellows." - Mechanical Development Engineer.

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