

PROCESS TANK SHELL CRACK LEAKAGE

ID: 9508



PROBLEM

The customer has a horizontal crack on the shell of a process tank which is leaking.

APPLICATION SITUATION

Should the customer not have chosen the Belzona repair they would have to shut the tank down completely, burn out the defective plate and weld a new plate onto the shell, re-weld a new nozzle in place (Hot Work) a very costly operation.

APPLICATION METHOD

The tank shell was cleaned and the surface prep, grinding with the cross-hatch method to create an acceptable profile, Belzona 1511 was mixed and applied by spatula, followed by an application of SuperWrap II.

BELZONA FACTS

Termination of tank shell cracks by drilling a small hole, filling the crack and surrounding area with Belzona 1511 prepares the job without any hot work, followed by SuperWrap II cold bonding technique.

INDUSTRY

Chemical & Petrochemical

LOCATION

Runcorn Liverpool

APPLICATION DATE

August 2024

PRODUCTS

Belzona 1511 (Super HT-Metal)
Belzona 1983 (SuperWrap II)

SUBSTRATE

Carbon steel

PHOTOS

1. Manual preparation of the C.S. tank shell removing all contaminates and creating a cross-hatch profile for adhesion.
2. The cracked steel shell was caused by a knock on the nozzle which created an impression and cracked horizontally. The crack was terminated by drilling a small hole at the end of the crack.
3. mixed and applied Belzona 1511 Hi-temp, filler to smooth over the prepared area in readiness for the application of Belzona 1983 SuperWrap II
4. The completed SuperWrap II (1983) patch bonded in place over the Belzona 1511 and onto the steel Tank Shell.

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


BELZONA

Copyright © 1952-2026 Belzona International Limited.