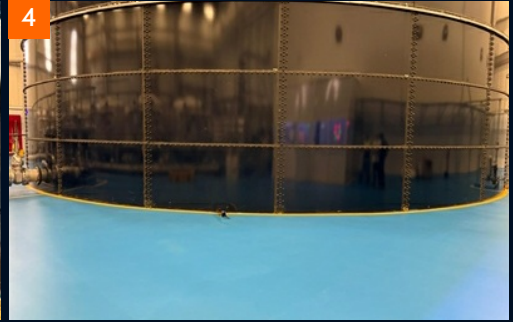


GLASS FUSED STEEL TANK SHELL REPAIR WITH COLD BONDING TECHNIQUE

ID: 10169



PROBLEM

Leakage was observed due to the loss of effective corrosion protection at the bottom section of the tank shell, leading to accelerated corrosion, wall thinning, and eventual perforation under normal operating conditions.

APPLICATION SITUATION

The client had been temporarily sealing the leak with tape. The Belzona Authorized Distributor recommended a plate bonding repair using Belzona 1111 (Super Metal) as an engineered solution to restore the tank panel while remaining suitable for potable water service.

APPLICATION METHOD

The repair was carried out while the tank was shut down. The metal plate was installed using Belzona 1111 (Super Metal) after the surface was grit blasted to achieve the minimum required surface profile and cleanliness.

BELZONA FACTS

The plate bonding technique using Belzona 1111 (Super Metal) provides a safe, effective, and durable repair solution for leakage at the bottom section of the Glass Fused Steel (GFS) tank shell. This method serves as a reliable alternative to welded repair.

INDUSTRY

Food & Drink

LOCATION

Saudi Arabia

APPLICATION DATE

April 2025

PRODUCTS

Belzona 1111 (Super Metal)

SUBSTRATE

Other

PHOTOS

1. Through-wall leakage at the bottom section of the tank shell
2. Surface preparation carried out by grit blasting
3. Plate bonding application using Belzona 1111 (Super Metal)
4. Drinking water tank condition after leakage repair

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

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