

# BELZONA SUPERWRAP II APPLICATION ON 24 inch ELBOWS

ID: 9501

Industry: Chemical & Petrochemical  
 Application: VPF-Valves, Pipes and Fittings  
 Substrate: Carbon steel  
 Products: Belzona 1111 (Super Metal), Belzona SuperWrap II

Customer Location: Mina Abdallah, Kuwait  
 Application Date: June 2023

## Problem

The customer initially faced problems with the 24" sea water line, which is used for utility services. The issue was caused by the aggressive sea water in the Gulf region. Any disruption in the supply would lead to a plant shutdown. The customer attempted different lining options with other cheap coatings, but they didn't last long. During a shutdown, the client replaced the 24" elbows with new ones. The MIE engineer was keen to try our Belzona wrapping solutions as a preventive maintenance measure.



Trial/demo application of Belzona SuperWrap II as per the engineered design.

No trace of any leak or peel-off after the completed hydrotest.

SuperWrap II application for 24-inch elbow of 3.6 m length.

SuperWrap II application by distributor

## Application Situation

The Belzona SW II application was carried out in accordance with the design method statement. The elbows were grit blasted to achieve a near white metal finish. The substrate was cleaned and degreased before the application. Belzona 1111 was used to resurface and smooth the weld seams. SW II Belzona 1982 resin and Belzona 9381 245mm width reinforcement tape were applied in accordance with the design specifications."

## Application Method

SW II application was carried out in accordance with the design method statement.

## Belzona Facts

SW II design was based on a 10-year service life. After 1 year in service, it was found that the repairs were still in perfect condition. Previously, the client tried other solutions, such as internal cement linings, which did not last long. The client was happy with SW II

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

performance and offered more SW II jobs in other areas. In total, 600 liters of Belzona 1982 and 52 rolls of Belzona 9381 reinforcement tape were consumed for the project.

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