

# BELZONA REPAIRS 24" PIPE ELBOW

ID: 382

**Industry:** Chemical & Petrochemical  
**Application:** GSS-Gaskets, Seals and Shims  
**Substrate:** Mild Steel  
**Products:** \* Belzona® 1311 (Ceramic R-Metal) ,  
\* Belzona® 9341 (Reinforcement Tape) ,

**Customer Location:** Petrochemical Plant, Kuwait  
**Application Date:** 2001

## Problem

Failure of the internal lining had lead to wall thinning and a through wall defect. NDT was used to define the thinned area.



## Photograph Descriptions

- \* Front view ,
- \* Side view ,
- \* Test piece being prepared for evaluation ,

## Application Situation

24" Diameter pipe used to carry seawater

## Application Method

A steel patch was welded into position in the area of the through wall defect. A base layer of Belzona® 1311 was applied followed by Belzona® 9341. The whole process was then repeated and a layer of Belzona® 1311 applied to give a smooth finish.

## Belzona Facts

This repair was evaluated extensively by the maintenance team prior to being undertaken. Defects were ground into pipespools and the pipespools were then wrapped in the manner described above. These were then successfully pressure tested prior to undertaking the actual repairs.

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

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