

BELZONA REPAIRS 24" PIPE ELBOW

CUSTOMER

Petrochemical Plant, Kuwait

APPLICATION DATE

2001

APPLICATION SITUATION

24" Diameter pipe used to carry seawater

PROBLEM

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

PRODUCTS

Belzona® 1311 (Ceramic R-Metal)

Belzona® 9341 (Reinforcement Tape)

SUBSTRATE

Mild Steel

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.

PICTURES

1. Front view
2. Side view
3. Test piece being prepared for evaluation



1.



2.



3.

For more examples of *Belzona Know-How In Action*, please visit <http://khia.belzona.com>



ISO 9001:2008
Q 09335
ISO 14001:2004
EMS 509612

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