

BELZONA EMERGENCY LEAK SEALING

CUSTOMER

Oil refinery, Egypt

APPLICATION DATE

October 2003

APPLICATION SITUATION

Tube sheet in nitrogen production unit working at 8 bar

PROBLEM

Bi-metallic corrosion between the tubes and the tube sheet had caused Freon leakage.

PRODUCTS

Belzona® 1321 (Ceramic S-Metal)

SUBSTRATE

Carbon steel

APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflet HEX-3.

BELZONA FACTS

Beside the health factors, Belzona has saved about \$35,000 annually for refilling Freon due to leakage, only in three hours of work and \$340 for Belzona products. The repair was completed quickly and safely with out heat.

PICTURES

1. General view of the consumed Freon containers used to replenish leaks.
2. The tube sheet suffering from Freon leakage
3. Surface preparation by grit blasting
4. Belzona® 1321 applied to stop the leakage



1.



2.



3.



4.

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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