

BELZONA EMERGENCY LEAK SEALING

ID: 567

Industry: Oil & Gas
Application: HEX-Heat Exchangers
Substrate: Carbon steel
Products: * Belzona® 1321 (Ceramic S-Metal) ,

Customer Location: Oil refinery, Egypt
Application Date: October 2003

Problem

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



Photograph Descriptions

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

Application Situation

Tube sheet in nitrogen production unit working at 8 bar

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.

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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