

# BELZONA PROTECTS EVAPORATORS IN DISTILLATION UNIT

ID: 110

Industry: Oil & Gas  
Application: TCC-Tanks and Chemical Containment Areas  
Substrate: Stainless steel 317L  
Products: \* Belzona® 1391 ,

Customer Location: National Oil Company  
Application Date: May 1996

## Problem

Floor plate in No. 4 Distillation unit was showing considerable corrosion and weld repairs, including welding in of new plate sections had already been carried out previously.



## Photograph Descriptions

- \* General view of the 4 Distiller units. ,
- \* Work underway inside the Evaporator. Note low temperature lighting used to minimise air temperature. ,
- \* Belzona® 1391 applied to base and 30cms up side of all steelwork in unit. ,

## Application Situation

The Evaporator units in SIDEM Distillation unit are constantly immersed up to 30cm (12 ins) at a temperature of 55-60°C. Regular washing is also carried out using 10-15% Sulphamic acid.

## Application Method

Application was carried out in accordance with Belzona® Know-How Leaflet TCC-3. Extreme care was taken to ensure all salt contamination was removed and de-humidification equipment installed to prevent moisture contamination during application.

## Belzona Facts

Recent inspection has shown Belzona® 1391 in perfect condition and customer can now look forward to many years service from the units without constant shut-downs for weld repairs. The other 5 units will also be coated shortly with Belzona® 1391.

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.

[www.belzona.com](http://www.belzona.com)

  
**BELZONA®**  
Repair • Protect • Improve