

# Belzona Vessel Lining for New Separators with Spray and Nozzle Insert Application

ID: 7627

Industry: Oil & Gas  
Application: TCC-Tanks and Chemical Containment Areas  
Substrate: Carbon Steel  
Products: \* Belzona 1391S,  
\* Belzona 1391T,  
\* Belzona 1511,

Customer Location: Vessel Manufacturer, Thailand  
Application Date: July - October 2017

## Problem

The specifier (a Japanese engineering company) was looking for an ideal protective lining for their newly constructing high pressure separators. Belzona Engineering Department directly involved with them from the FEED stage and sprayable Belzona 1391S with nozzle insert system was specified for those vessels which will be operating in Algeria.



## Photograph Descriptions

- \* 1. Nozzle Insert Application. ,
- \* 2. Spray Application of Belzona 1391S. ,
- \* 3. Completed application. ,
- \* 4. Overview of Finalised Vessels with External Paints on them. ,

## Application Situation

5 new oil separators which will be operating up to 40 bar pressure.

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflets TCC-5 for protecting and rebuilding steelwork, and TCC-16b for protecting the small bore nozzles. The linings were applied to the bottom half and the inlet end dome of each vessel. Prior to the spray application of Belzona 1391S, stripe coat and nozzle insert were conducted with Belzona 1391T. The inserted sleeves were pre-fabricated with Belzona 1511.

## Belzona Facts

A Belzona Corporate Inspector was dispatched for each vessel's application to ensure the quality assurance of this project. The

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FS 695214  
ISO 14001:2015  
EMS 695213

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Customer was satisfied with Belzona's technical support provided from the initial specification stage till the final inspection job.

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