

# BELZONA FLANGE REPAIR SYSTEM ELIMINATES BLUSHES ON NEW PROCESS VESSEL

ID: 455

Industry: *Marine*  
Application: *VPF-Valves, Pipes and Fittings*  
Substrate: *Stainless steel.*  
Products: *\* Belzona® 1591 (Ceramic XHT Metal) ,*

Customer Location: *Vessel manufacturer - UK*  
Application Date: *April 2004*

## Problem

*During surface preparation prior to the installation of a Belzona coating, grit blasting damage had occurred to four internal nozzle flange faces. As a result of this the sand recovery system due to be installed could not be fitted.*



## Photograph Descriptions

- \* Application of Belzona® 1591 to flange face ,
- \* Completed assembly showing former, bolts and shim ,
- \* Finished flange face awaiting removal of masking tape and dressing of internal bore ,

## Application Situation

Nozzle flange faces on offshore process vessel due for urgent delivery

## Application Method

The flange faces were reblasted fully and Belzona® 1591 was installed using a forming process according to Belzona Know-How System Leaflet VPF-13.

## Belzona Facts

Four flange faces were formed using this technique, and were allowed to cure prior to breaking out. Once complete they were protected, the vessel was grit blasted for a second time and Belzona® 1591 applied to the whole vessel. The alternative would have required on-site machining of the flange faces at significant cost.

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