

# BELZONA 3412 FLANGE PROTECTION SYSTEM

ID: 9431

Industry: Power  
Application: VPF-Valves, Pipes and Fittings  
Substrate: Carbon steel  
Products: Belzona 3412, Accessories, Belzona 8411, Belzona 9111F, Belzona 9411 (Release Agent)

Customer Location: EDF ENERGY HEYSHAM LANCASHIRE  
Application Date: June 2024

## Problem

Altrad services coating department were recently approached by EDF Energy to assist with encapsulating approximately 140 flanges to the turbine stator water system. The flanges were being encapsulated due to air being drawn into the system, from the vacuum side of the stator water. These levels were higher than normal, so rather than taking the full system or unit out of service, Belzona 3412 would be used for the task, until the system could be brought out of service for maintenance.



FLANGE & FASTENINGS PROTECTION



2 X COAT SYSTEM OF BELZONA 3412 PROTECTING FLANGE GASKET AREAS AND FASTENINGS.



MULTIPLE FLANGES SHOWING FIRST & FINAL COAT APPLICATIONS.



BELZONA 3412 CAN BE APPLIED TO ALL GEOMETRIES AND SEAL THE FLANGE AND FASTENINGS, EASY INSPECTION AND RESEAL.

## Application Situation

The cost of Belzona 3412 system is not prohibitive as in this case we have sealed the leaks and added protection to the substrate, inspection is easily done by peeling back the Belzona 3412 and resealing after maintenance.

## Application Method

Application surface prep, done with emery cloth making sure all surface were clean and any debris removed, the application as per the IFU was carried out without any problems.

## Belzona Facts

Belzona 3412 system provides corrosion protection on awkward geometries and give the customer an easy cost effective inspection procedure, resealable give the customer cost effective maintenance solution.

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

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manufactured under an ISO  
9000 Registered Quality  
Management System.

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