

BELZONA 3412 FLANGE PROTECTION SYSTEM

ID: 9431



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.

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.

INDUSTRY

Power

LOCATION

EDF ENERGY HEYSHAM LANCASHIRE

APPLICATION DATE

June 2024

PRODUCTS

Belzona 3412
Accessories
Belzona 8411
Belzona 9111F
Belzona 9411 (Release Agent)

SUBSTRATE

Carbon steel

PHOTOS

1. FLANGE & FASTENINGS PROTECTION
2. 2 X COAT SYSTEM OF BELZONA 3412 PROTECTING FLANGE GASKET AREAS AND FASTENINGS.
3. MULTIPLE FLANGES SHOWING FIRST & FINAL COAT APPLICATIONS.
4. BELZONA 3412 CAN BE APPLIED TO ALL GEOMETRIES AND SEAL THE FLANGE AND FASTENINGS, EASY INSPECTION AND RESEAL.

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

Belzona products are manufactured
under an ISO 9001 Registered
Quality Management System.

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