



RUMFORD INDUSTRIAL GROUP

Flange Face Repair / Rebuild | February 2010

VISIT OUR LINKS:



Belzona®:

The global first choice for industrial protective coatings & repair composites with application capabilities.



Belesta®:

A new force in the field of boundary lubrication of Industrial Machinery and Equipment!

Would you like to

- Reduce power consumption/cost?
- Reduce equipment wear?
- Overcome problems of noise, vibration or overheating?

Belesta® can help!



Greetings {First_Name},

Flange faces are often subjected to crevice corrosion either in localized areas or over the entire flange face. Belzona polymers have been widely used for this type of repair and proven to work.

Replacement of the flange face, by the traditional method of removal is by re-welding a new flange face. It is a difficult process which must involve hot work, and whilst post weld heat treatment is usually not required for the nozzles themselves, a move to eliminate welding is seen as desirable.

ISOLATION PROBLEMS SOLVED W/ BELZONA®

Customer:

Nuclear Power Station, UK

Application Situation:

Flange rebuild on seawater intake pipe of cooling system for nuclear power station.

Problem:

A new spool had been manufactured to connect the intake pipe to the rest of the cooling water system. During welding, the flange on this spool had become warped and following the subsequent machining was found to be up to 9mm undersized.

Product Used:

Belzona 1111 (Super Metal)

Application Method:

The application was carried out in accordance with **Belzona Know-How System Leaflet VPF-13**. After applying the Belzona proud, on-site machining was used to achieve correct dimensions.

Did You Know?:

Rumford Industrial Group Inc.:

Anywhere and anytime, RIG/CIG consultants and applicators fly to the rescue of industry. Able to rebuild damaged equipment and machine components, Faster than conventional methods, foiling the corrosion/erosion attacks, escaping the costs of replacement while restoring them to good as new.



A graphic for a 'Lunch & Learn' session. It features a brown paper lunch bag in the center. The text 'SCHEDULE A' is at the top, 'LUNCH & LEARN' is in large red letters across the bag, and 'SESSION' is at the bottom.

Drop us an [email](#) to schedule an informative [Lunch & Learn](#) session with one of our consultants. The food is on us!

This application carried out in this newsletter follows the successful coating of the pipe internals with Belzona 1321 in 2006. After 3 years, this coating had been found to be in excellent condition. When this problem arose, Belzona was the first and obvious choice. Belzona has been used many times to repair damaged flanges. The only alternative available to the client was to prefabricate the spool which represented unacceptable down-time and money loss.



FLANGE FACE REBUILD (VIDEO):

Click the image below to learn more!



This video shows the use of Belzona® to repair and protect chillers/heat exchangers effectively and easily in any situation. We hope you enjoy and benefit from the video, interview and case history given in this newsletter.

[[Rumford HOW TO Video Archive](#)]