

Application Focus

Flange Face Protection and Reforming

Corrosive fluids, crevice corrosion, bimetallic corrosion, and steam can all result in deterioration and subsequent leaking of flange faces.

If a minor leak is not addressed at an early stage, it can rapidly develop into a larger loss of containment. Leaks caused by a loose seal on a damaged flange face can often result in:

- Environmental damage
- Health and safety hazards
- Downtime
- Clean up and disposal costs
- Costly repair or replacement

These potentially very costly consequences can be prevented by using a **Belzona® Flange Face Repair and Protection Solution**.

By utilizing an applied cost-effective Belzona solution, perfectly formed mating flange faces can be recreated, including where required, a threaded surface finish. This results in long term corrosion protection of the flange which is far less susceptible to the risk of damage and leakage in the future.

Belzona can provide the answer to damaged flange faces that will:

- Reduce environmental impact
- Protect new flange faces
- Minimize costly shutdown periods
- Avoid expensive replacement costs
- Eliminate the dangers of repairs involving hot work
- Avoid on-site machining



“An international oil company was faced with a potentially high-cost maintenance repair due to severe corrosion on eleven nozzle flange faces at one of its degasser units. Traditional maintenance repairs would have involved significant cutting and welding costs with the subsequent risk involving hot work offshore.”



Flange Face Repair and Protection Solution

Belzona provided a cost-effective solution **reducing equipment downtime and eliminating the associated safety implications related to hot work.** At the same time the Belzona repair minimized future galvanic and crevice corrosion problems to which flanges are particularly susceptible to.

Local Service and Technical Advice

Through a network of trained Technical Consultants, Belzona can provide a full 24-hour, on-site service with guidance and technical advice on the **Belzona Flange Face Repair and Protection Solution.**

Backed by a specialized Belzona global engineering team, the Technical Consultant will diagnose the problem, recommend the solution, and supervise the application, with training for on-site maintenance personnel if required.

For more information, please contact your local Belzona representative.



- No Shrinkage**
Permanent repair
- Environmentally Friendly**
No VOCs
- High Adhesion**
Ensures long service life
- Eliminates Dangerous Hot Work**
Safe
- Durable**
Withstands industrial environments

QUALITY PRODUCTS - TECHNICAL SUPPORT

The Belzona product range is manufactured through stringent quality and environmental control guidelines complying with the internationally recognized requirements of ISO 9001:2008 and ISO 14001:2004. Belzona has a global distribution network of over 140 Distributors operating in 120 countries. Local support is provided by trained Technical Consultants who will diagnose the problem, recommend the solution, and provide 24-hour on-site application supervision.

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