

# Application Focus

## Corrosion Under Insulation *Steel Protection*

Corrosion under insulation is one of industry's biggest challenges. It is caused by water ingress into thermal insulation on pipework and vessels, leading to rapid corrosion. This form of corrosion is of particular concern as it is often unforeseen until premature and potentially catastrophic equipment failure occurs resulting in:

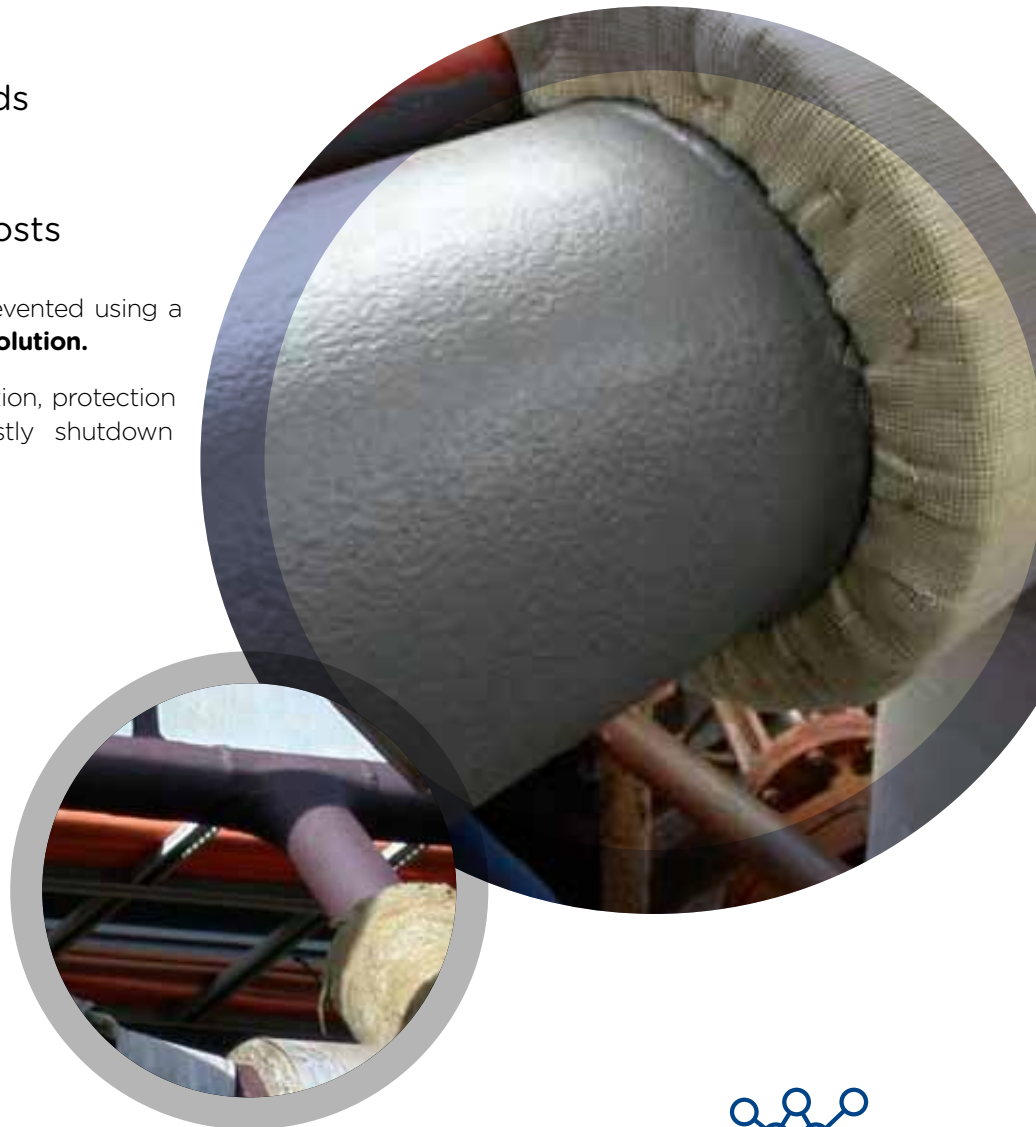
- High repair or replacement costs
- Downtime
- Health and safety hazards
- Environmental damage
- Clean up and disposal costs

These costly consequences can be prevented using a **Belzona® Corrosion Under Insulation Solution**.

By using a cost effective Belzona solution, protection can be carried online, avoiding costly shutdown periods, and replacement of plant.

Belzona can provide the answer to corrosion under insulation that will:

- Avoid expensive replacement costs
- Minimize costly shutdown periods
- Eliminate the dangers of repairs involving hot work
- Reduce environmental impact
- Minimize the need for tenting/scaffolding
- Increase the life of the asset



# Application Case Study

“A gas treatment plant was experiencing costly interruptions to production due to a maintenance outage caused by water penetration through insulation. This problem had resulted in severe corrosion under insulation particularly around the support rings of the absorber column.”



## Corrosion Under Insulation Solution

Belzona provided a cost-effective solution, which was applied in-situ, directly onto the hot column, subsequently **reducing production downtime**. The Belzona application was carried out onto a high pressure water blasted surface, **eliminating expensive ongoing maintenance costs and loss of production**.

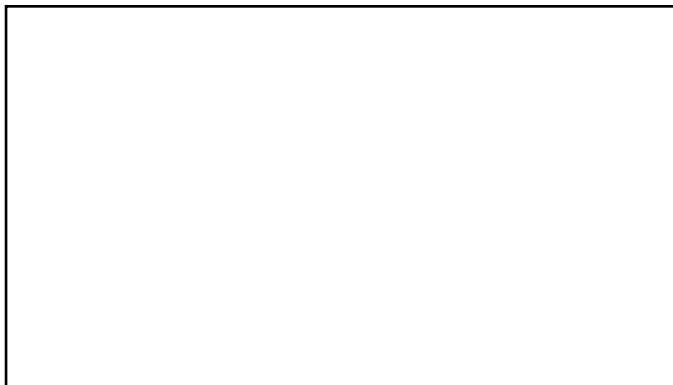
## Local Service and Technical Advice

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® Corrosion Under Insulation 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.

- High Adhesion**  
Ensures long service life
- Durable**  
Withstands industrial environments
- Eliminates Dangerous Hot Work**  
Safe
- Environmentally Friendly**  
No VOCs
- No Shrinkage**  
Permanent repair
- Surface Tolerant**  
Good adhesion on wet and oily surfaces

For more information, please contact your local Belzona representative.



## 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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