

# Application Focus

## Corrosion Under Insulation *Insulation Protection*

Corrosion under insulation is one of industry's biggest challenges and 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
- Environmental damage
- Clean up and disposal costs

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

By using a cost effective Belzona solution, thermal insulation can be protected by a long lasting, weather and water resistant insulation covering preventing corrosion occurring below the insulation. It also prevents loss of energy through wet insulation.

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

- Avoid expensive replacement costs
- Minimize costly shutdown periods
- Reduce environmental impact
- Increase the life of the asset



## Corrosion Under Insulation Solution

Belzona provided a cost effective solution which made the outer surface of the insulation **impervious to the ingress of water, and resistant to extreme weather variations and UV radiation.**

The contractors found this product easier and safer to use than alternative technologies they had previously used, and it required no special equipment.

The system also benefits from ease of inspection after application, not only of the barrier coating, but also the basic condition of the insulation.

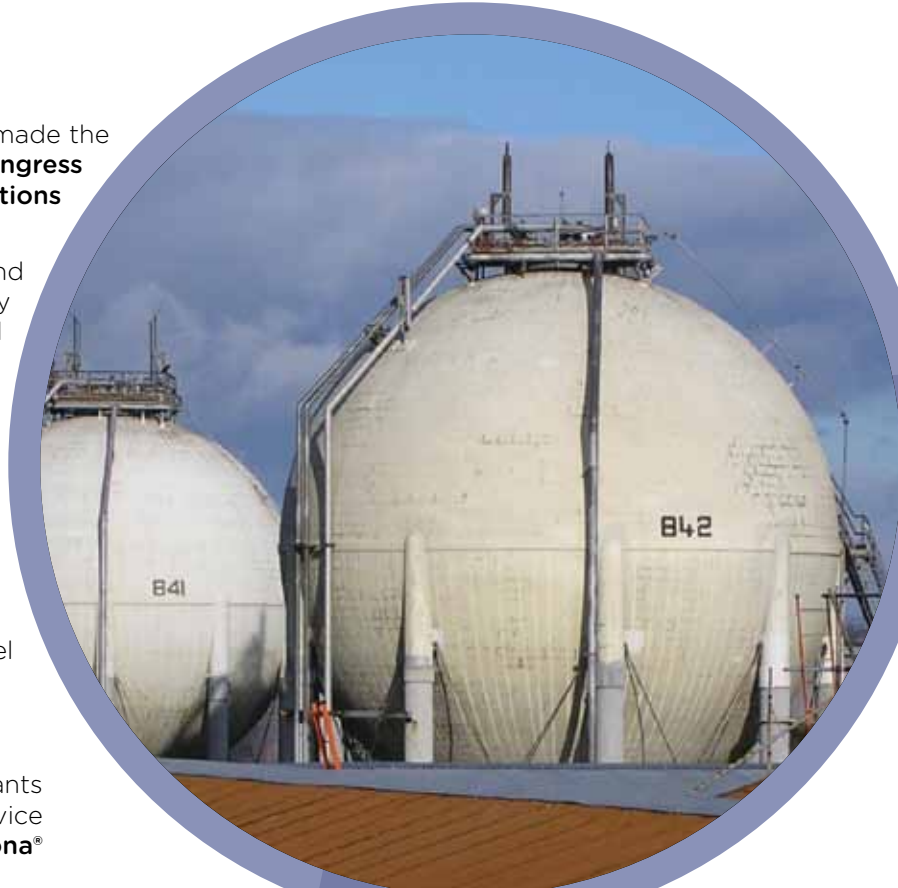
**Annual inspections to date, since the initial application to this sphere in 1996, have reported no deterioration. The client has also since coated another five spheres.**

See also - Corrosion Under Insulation - Steel Protection

## 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 if required.



 <b>High Adhesion</b> Ensures long service life	 <b>Durable</b> Withstands industrial environments	 <b>Weatherproof</b> Prevents moisture penetration	 <b>Impact Resistance</b> Minimal remedial repairs
 <b>Environmentally Friendly</b> No VOCs	 <b>Seamless</b> Seals around irregular contours	 <b>UV Resistant</b> Resists climatic variations	 <b>Microporous</b> Allows moisture to escape

For more information, please contact your local Belzona representative.



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ISO 14001:2004  
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