

Application Focus

Lining of Process Vessels

Process vessels are particularly susceptible to corrosion through constant attack from corrosive chemical solutions and entrained solids. In addition, elevated temperature and pressure together with intensive cleaning and decontamination processes create an aggressive corrosive environment.

If the corrosion is left untreated, further deterioration will occur resulting in:

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

These potentially very costly consequences can be prevented using the **Belzona® Solution for Internal Protection of Process Vessels**.

By using a cost effective Belzona solution, process vessels can be protected against chemical attack, and erosion-corrosion accelerated by high operating temperatures, resulting in longer equipment life.

Belzona can provide the answer to internal vessel corrosion that will:

- Avoid expensive replacement costs
- Minimize downtime
- Eliminate the dangers of repairs involving hot work
- Reduce environmental impact
- Increase the life of the asset
- Reduce the life-cycle cost of ownership



Application Case Study

“The internal vinyl ester glass flake coating had failed in a process vessel at a refinery, leading to substrate pitting and corrosion. This failure was due to the presence of sour water and operating temperatures of up to 100°C.”



Solution for Internal Protection of Process Vessels

Belzona provided a cost effective alternative solution, which could **resist immersion temperatures of up to 248°F (120°C), tolerate a wide range of chemicals and demonstrate very high erosion resistance.**

An inspection nine years later found the system to still be in good condition.

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® Solution for Internal Protection of Process Vessels.**

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

For more information, please contact your local Belzona representative.



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