



### BHP Petroleum- Griffin Venture North West Shelf

Pipework coating

**Industry:** Oil & Gas  
**Product:** Corroglass 600 Series & VE Pipe Grade  
**Expertise:** Internal & External Coating of Pipework

Warm seawater corroded the existing Stainless Steel pipe spools. BHP specified Corrocoat to internally coat new carbon steel pipe spools as part of a major refit. By eliminating the need to regularly replace the pipes together with unplanned shutdowns and lost production, significant savings were achieved with this anti corrosion system.



### Seawater Fire Main

Oil Refinery

**Industry:** Oil & Gas  
**Product:** Corroglass 600 series & Plasmnet ZF  
**Expertise:** Internal & External Pipe coating

This reducing spool forms part of a seawater fire main. Without protection severe corrosion would occur rapidly in this aggressive sea water environment. The design life of the firemain was 15 years so Corrocoat was selected to provide corrosion protection internally with 600 series and external protection with ZF.



### Course Water Filter Vessel

Protection against Sea Water

**Industry:** Oil & Gas  
**Product:** Polyglass VEF, Corroglass 600 series, Plasmnet ZF  
**Expertise:** Internal & Externally coating tanks and vessels

These new vessels are prepared by rebating the flanges to protect against crevice corrosion. Then Polyglass VEF and Corroglass 600 series is applied to the internal of the vessel to a thickness of 1250 microns. The external of the vessel is coated with Plasmnet ZF to combat atmospheric sea spray.

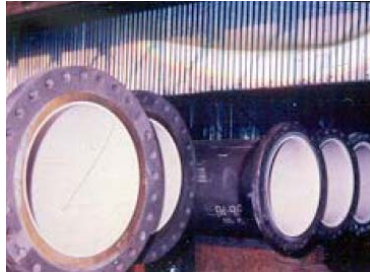


### Oil & Gas

Coarse Water Strainers

**Industry:** Oil & Gas  
**Product:** Polyglass VEF & Armagel  
**Expertise:** Internal coating of tanks and pressure vessels

During the "algae bloom" period the baskets were removed several times a day causing mechanical damage to the coating. Corrocoat offered a solution of stainless steel impact rings and internally coated the internals with a corrosion and abrasion resistant lining. The strainers are now lasting in excess of 12 years before requiring maintenance.



## Oil & Gas

### Sea Water Caissons & Riser Pipes

**Industry:** Oil & Gas  
**Product:** Polyglass VEF  
**Expertise:** Internal Coating of Pipework

Warm seawater with high velocities and entrained solids resulted in high maintenance costs and lost production to repair the original rubber lining. The rubber was replaced with a Corrocoat VEF coating using an internal pipe sprayer. Time in service without maintenance 18 years.

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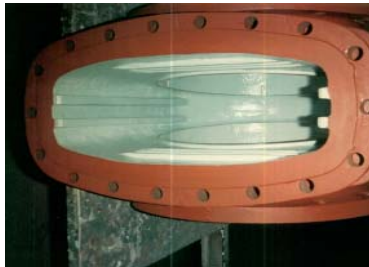
## Conoco Phillips

### Replace Rubber Lining on Bilge Strainer

**Industry:** Oil & Gas  
**Product:** Corroglass 600 Series & Chlo\*rid  
**Expertise:** Replace Rubber Lining

The original Strainer was rubber lined and after the rubber was removed considerable corrosion in weld areas and drain holes was discovered. All areas were blasted and treated with Chlo\*rid to remove salt contamination. Multiple layers of Corroglass 600 series were applied to a final thickness of 1.0mm and finally all surfaces spark tested to 8KV DC.

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## Large Gate Valve

### To Be Scrapped Due to Corrosion

**Industry:** Oil & Gas  
**Product:** Corroglass 600 series  
**Expertise:** Protection of Valves

The epoxy coating in this valve failed after 12 months in warm seawater and was to be scrapped. Corrocoat were able to refurbish the valve using 600 series at a fraction of the cost of a new valve and in the process eliminate the cause of the failure, corrosion. Following this success all new and existing valves on this oil platform were coated with Corroglass 600 series.

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## Seawater Pump Riser Pipes

### After 21 Years of Service

**Industry:** Oil & Gas  
**Product:** Corroglass 600 Series  
**Expertise:** Internal & External Pipe Coating

These pipes were originally coated in 1983 with Corroglass. They were exposed externally to seawater (immersed, splash zone & atmospheric) & internally to warm sea water before being removed for inspection in 2004. The coating was found to be in excellent condition, touched up & the pipes put back into service.

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## Oil Refinery

### Underground LP Gas Bullet

**Industry:** Oil & Gas  
**Product:** Polyglass VEF  
**Expertise:** External coating of tanks and pressure vessels

These bullets are buried in chloride rich coastal soil in a high rainfall area and the refinery found other coatings blistered within 5 years due to Cathodic disbondment. Polyglass VEF was selected and two coats to a thickness of 1500 microns was sprayed to the external of each bullet.

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