

CIL Tanks

Tank Corrosion and Sulphate Reducing Bacteria (SRB,s)

Industry: Mining
Product: Polyglass VEF
Expertise: Internal Tank Coating

This is one of 7 CIL tanks that were suffering from SRB's and associated corrosion under the original coating. The old coating was removed and the tanks and baffles coated with 1200 microns of Polyglass VEF which is totally unaffected by SRB's. All corrosion issues were eliminated.



Water Industry Australia

Spillway Gates— Victoria

Industry: Water
Product: Polyglass VEF, HTE
Expertise: External coating of structural steel

Access to the gates was difficult and expensive and the original coating required maintenance after two years. Corrocoat removed the existing coal tar epoxy and replaced it with Polyglass VEF. HTE was applied to the rubbing areas because of its excellent abrasion resistance. The new coating has required no maintenance for 9 years.



Tiwest Chandala Fan Rebuild

Severe Erosion & Corrosion of Duplex Stainless Steel Fan Casing & Impeller

Industry: Mining
Product: Polyglass VEF, Corroglass 600 series & Armagel
Expertise: Rebuild all internal surfaces to original profiles

This fan was severely corroded and eroded from wet sulphuric acid and H₂S with abrasion from mineral sand. Significant savings were achieved by eliminating the need for a new fan and associated modifications to existing footings and ductwork. The coating prevents any future corrosion / erosion reducing maintenance and running costs.

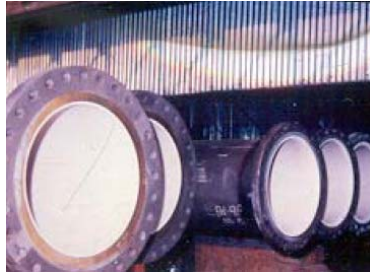


Mineral Processing Plant

Structural Steel & Equipment Protection - Tasmania

Industry: Process
Product: Polyglass VEF
Expertise: External coating of Steel work and Equipment

Chemical spills and an aggressive acidic atmosphere were damaging the structural steel and equipment in this mineral processing plant. Polyglass VEF was applied to all steelwork and equipment to increase the life of the structure, plant and equipment.



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.



Steel Making Industry

Blast Furnace Water Treatment Plant

Industry: Manufacturing
Product: Polyglass VEF
Expertise: Internal Coating of Clarifier

The process environment is seawater with traces of ammonia and sulphuric acid with a pH of 7 to 8.5 at 50°C to 82°C. The high chloride content at elevated temperatures results in rapid corrosion of the steel tank and components. Polyglass VEF was used to eliminate all corrosion issues.



Solvent & Acid Bund Coating

Roxby Downs

Industry: Mining
Product: Polyglass VEF
Expertise: Coating of Concrete

These pump plinths and sump were coated with Polyglass VEF to protect the concrete from degradation due to solvent and acid attack. Polyglass VEF was selected to reduce maintenance costs and to protecting the environment from the possibility of chemicals leaching through the concrete into the ground water.



Feedwell Turbine

MRC Reactor Clarifier

Industry: Process
Product: Polyglass VEF
Expertise: Internal & External coating of components

This feedwell turbine is just one of the components sprayed internally and externally with 1200 microns of Polyglass VEF. The turbine is subjected to high chloride and sulphide at temperatures in excess of 85°C



BHP Whyalla

High Temperature Coating of New Dust Catcher and Crude Gas Main

Industry: Steel Making
Product: Polyglass VEF & Corrothane XT
Expertise: Internal coating of tanks and pressure vessels

This new dust catcher for Blast Furnace No.2 required a 15 year design life. A combination of Polyglass VEF and Corrothane XT were used under the refractory tiles to provide corrosion protection. Even the cow horn refractory anchors were fully coated.
