



Ravensthorpe Nickel Project

Multiple Tanks & Thickeners up to 42 metres Diameter

Industry: Mining
Product: Polyglass VEF & Corrothane XT
Expertise: Internal Tank Lining

The Ravensthorpe Nickel project involved the lining of 53 tanks over a 20 month period. A total area of 36,634 m² was coated requiring 75,000 litres of Corrocoat material. Corrocoat products were selected after years of testing by BHP and Corrocoat's R&D chemists in the UK.



Adsorption Tank Refurbishment

Agnew Gold Mine

Industry: Mining
Product: Polyglass VEF & Corroglass 600 series
Expertise: Repair & Internally coat Tanks

The existing tanks were severely corroded due to the activated carbon slurry. The tank was blasted, repaired and all pitting filled with Corroglass 600 series. The internals were then sprayed with 1000 microns of Polyglass VEF.

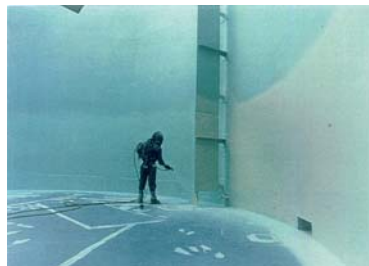


Solvent & Acid Bund Coating

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.



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.



Copper Refinery

Slimes De-copperising Tank

Industry: Mining
Product: Corrothane XT
Expertise: Internal Coating of Tanks

This tank contained sulphuric acid at high temperatures. In September 1999, Corrothane XT was selected to coat the tank walls, floors, roof, internal components and baffles to protect the mild steel substrate from the aggressive acid attack.

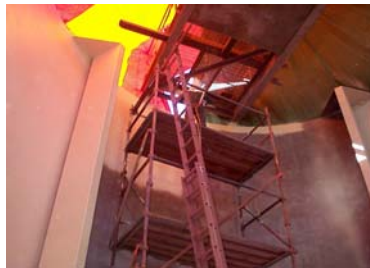


Olympic Dam

Concentration Leach Tanks

Industry: Mining
Product: VEF and VE as a Veil Coat
Expertise: Internal Tank Coating

Six Concentrate Leach Tanks containing sulphuric acid at 12% and 80°C and pH less than 1 had two problems. Corrosion and Jarosite build up on the tank walls and baffles. Polyglass VEF applied for corrosion resistance and a veil coat of Polyglass VE with its smooth waxy surface was applied on top of the VEF to reduce the build up of Jarosite.



Roxby Downs

Leach Tanks

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

In 1998 extensive testing was conducted to find a replacement lining for failing 6mm rubber lining in the Roxby Downs leach tanks. Polyglass VEF at 1mm thick was selected and applied by Corrocoat and the coating has operated without fault since that time.



Ferric Sulphate Tank

Failed Rubber Lining was Damaged by Acid Attack and Temperature

Industry: Mining
Product: Corrothane XT
Expertise: Internal coating of tanks and pressure vessels

Within 6 months of this tank being lined the rubber had "cooked" and was missing in patches and there were holes in the tank floor under the acid inlet pipe. The environment in the tank is Ferric Sulphate at 95°C. Corrothane XT was spray applied at 1000 microns due to its high temperature tolerance up to 180°.



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.
