



Ravensthorpe Nickel Project

Multiple Tanks & Thickeners up to 138' Diameter

Industry: Structural Steel

Product: Polyglass Zipcoat

Expertise: Structural Coatings

The Ravensthorpe Nickel project involved the lining of 53 tanks over a 20 month period. A total area of 9 acres was coated requiring 19,812 gallons of Corrocoat material. Corrocoat products were selected after years of testing by BHP and Corrocoat's R&D chemists in the UK.



Power Industry

High Temperature Protection in a Desulphurization Plant

Industry: Power

Product: Polyglass VEF & Corrothane XT

Expertise: Internal Coating Of Tanks And Pressure Vessels

Following the failure of an Epoxy coating after 3 years Corrocoat were asked to refurbish the internal coating of the absorber. XT was used on the upper areas where working temperatures were close to 200°C and VEF was used on the remainder of the absorber.



Roxby Downs

Structural Steel Work

Industry: Process

Product: Corroglass 600 Series

Expertise: External Coating of Structural Steel

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.



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 - 82°C. The high chloride content at elevated temperatures results in rapid corrosion of steel tank and components. Polyglass VEF was used to eliminate all corrosion issues.



Carbon in Leach (CIL) Tanks

Tank Corrosion and Sulphate Reducing Bacteria (SRB)

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

This is one of 7 CIL steel 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.



Aluminum Refinery

Internal Lining of Three (3) Acid Tanks

Industry: Mining
Product: Polyglass VEF
Expertise: Internal Lining of Tanks, Baffles and Agitator

Three tanks containing varying concentrations of seawater, H₂SO₄, Na₂CO₃, Lithosolvent and NaOH at 80°C were coated with 1000 microns of Polyglass VEF to provide corrosion protection to the carbon steel tanks, roof, baffles and agitators.



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.



Steel Making Industry

Venturi Scrubber— Victoria

- Industry:** Process
- Product:** Polyglass VEF, VE & 600 series
- Expertise:** Internal Coating Of Tanks And Pressure Vessels

Prior to Corrocoat's involvement this critical pressure vessel required repairs every 6 months due to corrosion and leaks. The vessel was repaired and internally lined with Polyglass VEF to a thickness of 1.5mm and has remained corrosion free for over 9 years.



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.