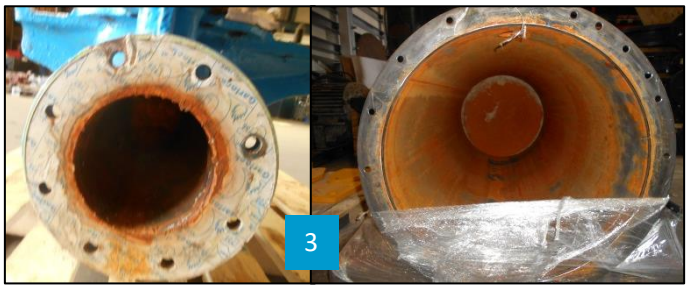
PROTECTION AGAINST 15% SULPHURIC ACID

CORROCOAT



Protection for Acid Dilution Tank

An acid dilution tank in service at a UK power station required protection against 15% sulphuric acid at ambient temperatures averaging 25^0C. During the dilution process water enters the bottom of the tank and acid is introduced more slowly to the top of the tank.

The tank was blasted to Sa2½. It was then thoroughly cleaned down and vacuumed. Polyglass VEF was applied to the internals in several coats, to reach the required DFT, followed by a coat of VE Veilcoat. The externals of the vessel were coated with Plasmet ZF and a top coat of Corrothane AP1 to the customers specified colour.

Polyglass VEF is ideal for use in immersion environments where superior chemical resistance is required, making it the ideal coating for the acid dilution tank.

After curing full QA tests, including thickness and spark testing, were completed. No defects or holidays were identified and the tank was assessed as being fully protected for service in an aggressive sulphuric acid service environment.

The Polyglass coating system will significantly increase the expected service life of the tank and will reduce periods of expensive downtime.

Industry	Power station
Environment	Acid dilution tank
Plant Coated	Tank
Preparation	Sa2½, profile 50µm
Coating	Polyglass VEF, Veilcoat, ZF, AP1
Application	Spray
DFT	1250µm
QA	Thickness & spark testing

TT 105

APPROVED LR

1: Coatings work completed, ready for dispatch.
2: Internal lining of tank and lid. 3: Tank on arrival

LONG-TERM, COST-EFFECTIVE PROTECTION AGAINST CORROSION