

UPS APPLICATION REPORT



Introduction

Unique Polymers Ltd was awarded the contract to repair and reline a chemical tank and bund at a UK chemical plant. The bund area had become badly damaged by the weather over a period of years and required remedial construction work and recoating on all areas.

The chemical tank contained effluent at ambient temperature and had corroded at the base where it joined onto the concrete plinth. UPS mechanically abraded the metal and concrete surface and repaired the external of the tank using a GRP repair system. The base of the tank and the affected concrete area were then coated using a single pack water based membrane to protect the substrates from any further corrosion.

Once cured the bund area was abrasive blast cleaned and protected using two coats of UPS 502 CR a fast curing two pack solvent free epoxy chemical coating

Products

Tank Base – UPSTRK 19000
Epoxy Resin and Hardener

Bund Lining – UPS 502 CR
Chemical Coating

Technical Information

For further information on this application please contact Unique Polymers on:
sales@uniquepolymersystems.com



Application Details

The tank base was blast cleaned to SA2.5

The concrete was abrasive blast cleaned to eradicate any ingrained contaminants

The tank base was rebuilt by applying a single coat of UPS19000 epoxy resin and hardener and then laying 200gm chop strand matting into the wet surface

Another coat of UPS19000 epoxy resin and hardener was then applied over the surface

The repair to the tank base was then coated 601 single pack water based membrane to give added protection

The bund area was protected by 2 coats of UPS502 CR – a two pack solvent free epoxy chemical coating

Unique Polymer Systems Ltd
HR8 1ET
ENGLAND UK
sales@uniquepolymersystems.com
www.uniquepolymersystems.com