

36 INCH CAUSTIC DRUM, ALKYLATION PLANT

*Technowrap repair to eroding 36 inch Caustic Drum, Alkylation Plant.
Durban, South Africa.*

OVERVIEW

Refinery in Durban South Africa, 36 inch Caustic and Mereox drum experienced excessive internal erosion. Requirement was to reintroduce integrity to the Drum enabling operations to continue safely until next shutdown. Pressure at 7 bar and temperature at around 50 °C.

CHALLENGES

The main problem was that the unit had many complicated geometries, also the base had to be built up with cement to create a workable profile.

SOLUTION

Calculations were done according to the information provided. The preparation was arranged and by the client to the required SA 2.5. The repair was successfully carried out over a 3 day period.

