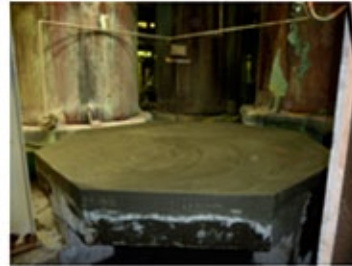


Project Case Study

Nyrstar Port Pirie Remedial Plinth Project SA



Project Summary

Substrate

Concrete

Surface Preparation

Grit Blasting

System

EpoCem
Sikafloor 156

Project Description

Poly-Tech's "Complete Acid Protection" system was able to meet the requirements of Nyrstar's design brief with an effective and long term remedial & protective solution.

They had smelter reactor tanks leaking corrosive materials that severely damaged the concrete tank columns and bases. Poly-tech was brought in to assist in the decision to innovate or detonate.

Firstly we had to identify those areas along the tank column and tank base that required remedial repair. Grit blasting was then carried out to remove those cancerous and acid contaminated areas so we could prepare the structural steel reinforcements.

Secondly we reinstated the existing reinforcing plus included new reinforcing to a new concrete base that was boxed out approximately 150mm outside the the existing columns and approximately 300mm deep. Repairs we carried out to all exposed reinforcing by jack hammer and we applied 110 EpoCem bonding & Mono Top 615 HB cementious concrete repair mortar.

Finally the repaired areas were primed with Sikafloor 156 epoxy primer and poured N25 (20mm) to the aggregate concrete on the new base.

Another job well done using our "Complete Acid Protection" solution!

The concrete protection & restoration specialists
South Australia, Tasmania, Victoria & Northern Territory