REZitech

Belzona® Protective Coatings | Sponge-Jet Abrasive Blasting
Vacuum Pump Supply and Repair

Leaders in Industrial Maintenance Solutions & Pump Technology

Volume 1 Issue 6

CASE FILE

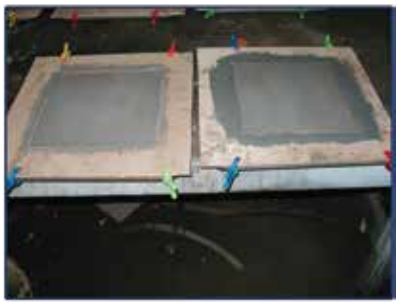
Tank Support at Petrol Refinery

The Customer

Major Petro-Chemical Refinery in Geelong, Victoria, Australia

The Application

During maintenance the tank roof requires supporting to enable safe maintenance on the tank floor.



Plates Showing Plywood Former

Belzona 1111 Applied

Completed Application

Pad in Position

You might ask the question: Why is the roof lowered in the first place?

The answer:

To expel all gases to make a safe working environment.

The Problem

During maintenance the tank roof is lowered to within two metres of the floor, the roof is supported by 80 metal legs extended to the floor, which damages the floor coating causing extensive corrosion especially when hydrocarbons are stored (water settles to floor causing corrosion).

The Products Used

Belzona® 1111 Supermetal

The Substrate

Metallic

The Application Method

Metal plates 300 x 300mm x 10mm thick were fabricated. Followed by grit blasting on one side. A 6mm thick plywood frame was made with 50mm wide edge and inside edge coated with Belzona release agent, which was then placed over the plates to provide correct film thickness for the Belzona. Belzona 1111 was then mixed and applied onto the plates to the level of plywood former. Following overnight cure the plates were then placed into position under the tank roof supports and welded in position. When all 80 plates were fitted the total floor area was coated with a competitive product up to and over the plates to the edge of the Belzona 1111.

The Outcome

Belzona provided a non corroding pad which would take the impact of the support legs but not damage the floor coating.

Due to safety issues the majority of floating roofs have this type of roof support design for maintenance.

http://www.rezitech.com.au

REZITECH SERVICES PTY LTD
9 Southfork Drive, Kilsyth, 3137 Victoria, Australia
Tel: +61 (03) 8720 8600 Fax: +61 (03) 9761 4178