



CORROSION REPAIR ON OUTER TANK BASE

SUMMARY

Industry: Refinery

Product: For Metal - Chesterton® ARC S1,
For Concrete - Chesterton® ARC 791

Equipment: Storage Tank



PROBLEM DESCRIPTION

Corrosion of the outer tank bottom, the edges and weld seam.

Water collected in this area because the tank pad sloped towards the metal tank.

SOLUTION

- Remove the bitumen cushion underneath the tank to a depth of 10 to 15 cm (4 to 6 in.) and a height of 4 to 6 cm (1.5 to 2.5 in.). After cleaning and preparing the exposed metal, apply two coats of Chesterton® ARC S1 covering this area including a strip of 30 cm (12 in.) above the bottom and around the tank.
- Chesterton® ARC 791 is used to reconstruct the bitumen base and to slope the surface towards the outside of the tank, preventing water from collecting under the tank. Final insertion of rubber gaskets and waterproof silicone sealant prevents any water infiltration.



RESULTS

The first 6 tanks were completed in November 2003. To date, the application is still in perfect condition and the customer has completed the remaining tanks as well.





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