

Case History

Title

WORLDS LARGEST PHOSPHORIC ACID PLANT USES COST EFFECTIVE BELZONA SOLUTION

Customer Location

Phosphoric acid plant, Orissa, India

Application Date

December 2010

Application Situation

Storage Tank - Capacity - 2650 T / Day was suffering huge chemical and environmental corrosion due to fumes of Phosphoric and Sulphuric acid and coastal environment.

Problem

Standard Epoxy paints were peeling off within 6-8 months and outside of storage tanks get heavily corroded , mainly on the bottom portion at a height of 2 metres from the foundations.

Products

Belzona® 4311 (Magma CR-1)

Substrate

Mild Steel

Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet TCC-5. Since rebuilding was not required Belzona® 4311 has been applied directly on the blasted surface after cleaning.

Belzona Facts (Cost Savings?, Alternatives?, Why Belzona?, etc.)

Customer could not find any long term solution except Belzona. Customer has saved huge cost of tank replacement

Photographs Description

1. Deterioration of existing coating on Phosphoric acid storage tank clearly evident
2. Surface preparation done by grit blasting
3. Application of Belzona® 4311
4. Finished application



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