

Protecting a new tank lining in a chemical plant from Phosphoric acid attack

ID: 9695

Industry: Chemical & Petrochemical
 Application: TCC-Tanks and Chemical Containment Areas
 Substrate: Carbon steel
 Products: Belzona 4341 (Magma CR4)

Customer Location: Ontario
 Application Date: May 2015

Problem

Customer had a new tank and wanted to protect the inside with a lining that would protect it from 75% Phosphoric acid thereby extending its service life.



Tank after sand blasting.



Tank during holiday testing.



Nozzle area during holiday testing.

Application Situation

The customer has been using Belzona to protect against concentrated chemicals in the plant on small areas and wanted to give a larger area a trial as the performance has been impressive.

Application Method

The tank and nozzles were blasted to achieve a near white metal finish with a good profile. After the required QA/QC checks, Belzona 4341 was applied to protect the tank and other components from corrosion and offer concentrated chemical resistance.

Belzona Facts

The customer was satisfied with the performance and has opted for Belzona for all chemical resistance applications on the plant ever since.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015
 FS 695214
 ISO 14001:2015
 EMS 695213

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