

Bund cover plates receive Belzona acid protection

ID: 9142

Industry: Marine
Application: TCC-Tanks and Chemical Containment Areas
Substrate: Carbon steel
Products: Belzona 4351 (Magma CR5)

Customer Location: Derby
Application Date: October 2023

Problem

New bund covers and supporting steelwork was commissioned for a large manufacturing plant. There were to be pumps mounted to the steel covers. The new steelwork had to be protected by a coating which could cope with splashes of Caustic and Nitric acid



Blasted to SA 2.5 and 75 microns minimum



Belzona 4351 (Magma CR5) applied to supporting beams



Cover plates prepared as per Belzona 4351 (Magma CR5) IFU



All steel work protection completed.

Application Situation

The application was carried out in-house at our application facility in Hawarden, Wales. The steel work and application was carried out by our own staff with our own equipment. This enabled us to completely control the preparation and application and offer the best performance from the Belzona 4351 (Magma CR5) coating

Application Method

Grit blasting carried out in our internal Blast-booth to SA2.5 and 75 microns (minimum)

All steelwork cleaned and degreased

2 coats of Belzona 4351 (Magma CR5) were applied as per IFU at 250 microns

Belzona Facts

The client has a pump which is located on top of the bund cover. The pump tends to leak from time to time which holds waste solutions which has a 10% nitric acidic rating and minimal caustic 1-2%. Over a period of years the metal works normal standard enamel paint has eroded and some holes have formed under the pump.

The Belzona 4351 (Magma CR5) coating was the only coating available to the client that would cater for chemicals present.

The client could not source another current supplier to provide a protective coating to the specifications of Belzona 4351 (Magma CR5)

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

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