BELZONA COLD PLATE BONDING ON BULK FUEL HOLDING TANK

ID: 5062

Industry:	*Chemical & Petrochemical*	Customer Location:	*Fuel Distribution Terminal, South Wales UK*
Application:	*TCC-Tanks and Chemical Containment Areas*	Application Date:	*February 2013*
Substrate:	*Low Carbon Steel*		
Products:	** Belzona 1161 (Super UW-Metal) ,* ** Belzona 5811 (Immersion Grade) ,*		

Problem

Although the hole was above the fluid level, the Client had a scheduled delivery of fuel via marine tanker due to dock and discharge into the tank in two weeks' time. Due to the restriction of repairing by hot weld procedure, HSE accepted the Belzona as a temporary repair subject to regular, logged inspections.




Photograph Descriptions

* 1 & 2. Original side wall tank hole/leak area ,
* 3. Completed application February 2013 ,
* 4. Application checked April 2014 ,

Application Situation

Insulated bulk holding tank containing heavy fuel oil. Corrosion under insulation had led to a through wall penetration at approximately 8m above ground level.

Application Method

Due to the urgency, Belzona were quickly mobilised and prepared the substrates by grit blasting to the desired standard, bonding a 500x500x5mm plate using Belzona 1161 and final two coat system Belzona 5811 in accordance with Belzona System leaflet TCC-3.

Belzona Facts

In accepting the Belzona cost effective, safe cold bonding solution, the client duly received the fuel shipment and recharged the bulk holding tank without any fault from the application. This saved the client many thousands of pounds in delaying a sea shipment at port side. The application continues to be regularly monitored without any indication of deterioration or need to be

replaced in the short term.

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

Belzona products are manufactured under an ISO 9000 Registered Quality Management System.

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