

CORRODED WEIGHING BRIDGE REPAIRED AND PROTECTED

ID: 7870



PROBLEM

The Customer had an existing weighbridge to determine the amount of Liquefied Petroleum Gas (LPG) leaving the plant on trucks, the corroded weighbridge undermines the accuracy of the data derived from the weighbridge. The worn out surface of the weighbridge was also a safety issue, the Customer has used other surface protection products that failed within a very short period so they opted for Belzona solutions because of the proven durability.

APPLICATION SITUATION

Weighbridge checker plate at a petrochemical plant, LPG/Gas Terminal.

APPLICATION METHOD

Application was carried out in accordance with a modified version of Belzona System Leaflet FPA-3 for protecting floors and drains against chemical attack. Belzona 1111 was applied to rebuild the lost metal after surface was blasted with Bristle Blaster. Belzona 5231 was then applied as a heavy-duty protective coating and to protect against further corrosion.

BELZONA FACTS

According to the information gathered during the visual inspection, Belzona 1111 and Belzona 5231 out-performed all the other products used in the past, and the customer is considering repeating the same application in all their other plants across the country.

INDUSTRY

LOCATION

Ghana

APPLICATION DATE

October 2018

PRODUCTS

Belzona 1111 (Super Metal)
Belzona 5231 (SG Laminate)

SUBSTRATE

Carbon steel checker plate

PHOTOS

Corroded surface of the weigh bridge
Original weighbridge.

During application on the weighbridge checker plate.

Belzona 1111 being applied to rebuild lost metal.

Belzona 5231 being applied to prevent further wear and corrosion.

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