

BELZONA MAINTAINS CORRODED SPRINKLER TANK BY PLATE BONDING

ID: 4898



PROBLEM

Over several years the tank had become badly corroded around approx. 50% of the circumference at the water line causing it to split open in some areas allowing water to flow out.

APPLICATION SITUATION

6m diameter x 6m high circular steel tank supplying water for the fire sprinkler system in a large foam manufacturing plant

APPLICATION METHOD

Application was carried out in accordance with Belzona Know How System Leaflets TCC-1 and TCC-5. Doubler plates were bonded in place with Belzona 1161 before applying Belzona 5831 for overall corrosion protection.

BELZONA FACTS

For fire safety reasons the tank needed to be constantly on line, 24 hours a day, 7 days a week so replacing it with a new tank was not an option due to time and budget. Belzona repair completed with tank on-line.

INDUSTRY

General Industry

LOCATION

Industrial Foam Manufacturer, Northamptonshire UK

APPLICATION DATE

December 2013

PRODUCTS

Belzona 1161 (Super UW Metal)
Belzona 5831 (ST Barrier)

SUBSTRATE

Steel

PHOTOS

1. Large sprinkler tank with corrosion at water line 2. Surface being prepared with MBX Bristle Blaster 3. 400mm long x 300mm high steel plates being installed using Belzona 1161 4. Installation complete around tank circumference and coated with Belzona 5831

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