

Belzona repairs and protects an LEV unit

ID: 8346

Industry: Buildings & Structures

Customer Location: Harrogate, UK

Application: TCC-Tanks and Chemical Containment Areas

Application Date: 6/08/2020

Substrate: Steel

Products: * Belzona 1161 (Super UW-metal) Belzona 5831 (ST-Barrier) ,

Problem

The top of the asset had been left exposed and without sufficient protection for a number of years. This had resulted in extreme corrosion in areas leading to a number of through wall areas and severe pitting. Which over time has resulted in large amounts of water being trapped within the unit - soaking the filters housed within.



Photograph Descriptions

- * 1. Picture of the surface prior works ,
- * 2. Image of the partly prepared surface ,
- * 3. First coat of Belzona 5831 (ST-Barrier) ,
- * 4. The finished application ,

Application Situation

The local exhaust ventilation unit servicing a large storage production facility for a manufacturer had become problematic due to corrosion on the top of the asset which was placed in a small alleyway. If left for any further time then this asset would need replacing, at great cost.

Application Method

The surface was prepared using an MBX bristle blaster to remove the surface rust and to provide a surface profile for the Belzona to mechanically adhere. Once prepared Belzona 1161 (Super UW-metal) was used in conjunction with Aluminium plates and reinforcement tape (Belzona 9361) to bridge through wall defects and fill pitting. Once cured Belzona 5831 (ST-Barrier) was used to coat the surface, the application area was taped off and a short bristled brush used to apply

Belzona Facts

Belzona was used as we offered a low cost solution when compared to their alternative of replacing the asset. The cost of replacing this particular asset would be vastly more expensive -an estimate was given in the region of 60-80 times the cost of repair! This repair has added years to the life of this particular asset, and had the benefit of the system still being on and in use during application, so downtime averted!

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ISO 9001:2015

FS 695214

ISO 14001:2015

EMS 695213

Belzona products are
manufactured under an ISO
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