

Belzona Repairs Damaged Drum Filter to Keep Wastewater Plant Running

ID: 7767

Industry: Water / Wastewater
Application: TCC-Tanks and Chemical Containment Areas

Customer Location: Oregon, United States

Application Date: June, 2018

Substrate: Aluminum

Products: * Belzona 1221 (Super E-Metal),
* Belzona 2911 (Elastomer QD Conditioner),
* Belzona 2121 (D&A Hi-Coat Elastomer),

Problem

The drum itself was damaged, possibly during shipping or installation, as it was a new unit. The track where the drum turned was dented and this caused jumping and the drum could not turn smoothly.



Photograph Descriptions

- * 1. Belzona 1221 Super E Metal being applied first with a stiff bristled brush and then smoothed with a simple former. ,
- * 2. Belzona 1221 Super E Metal applied and ready for over-coating with Belzona 2911 conditioner and 2000 series elastomers. ,
- * 3. Belzona 2121 Hi-Coat Elastomer red applied. ,
- * 4. Completed job with second coat of Belzona 2121 in Black. ,

Application Situation

Wastewater treatment plant drum filter.

Application Method

Substrate was cleaned and degreased and then given a surface profile with an MBX Bristle Blaster. The surface was then degreased again. Belzona 1221 Super E Metal was applied to the lowest points (dents) to build them back up. A custom former was used to help ensure concentricity. Belzona 2911 was applied to condition the surface and allowed to cure. Then a coat of red Belzona 2121 Hi-Coat Elastomer was applied followed by a second coat of Belzona 2121 in black.

Belzona Facts

The manufacturer was going to send the customer a new drum but it was going to take a significant amount of time for the new drum to be manufactured and shipped. This also provided the possibility that the new drum could be damaged in shipping or

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ISO 9001:2015
FS 695214
ISO 14001:2015
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Belzona products are
manufactured under an ISO
9000 Registered Quality
Management System.

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installation again. For a fraction of the cost and a massive reduction of downtime the original drum was restored for future use.

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