BELZONA REPAIRS AND PROTECTS CONCRETE FLOOR AND U-DRAINS FROM CHEMICAL ATTACK

ID: 6106

Industry: *Chemical & Petrochemical*
Application: *FPA-Floor Problem Areas*
Substrate: *Concrete*
Products: ** Belzona 4131 (Magma-Screed) ,*
** Belzona 4911 (Magma TX Conditioner) ,*
** Belzona 5892 ,*

Customer Location: *Chemical Plant, Burkville, AL, USA*
Application Date: *April 2016*

Problem

Chemical attack had caused damage to the concrete cell bases and multiple areas in the u-drains.

Photograph Descriptions

* Damage on U-drains ,
* Damaged diaphragm cell bases as a result of a chemical attack ,
* Cell bases after the application ,
* Completed application ,

Application Situation

Floor and U-Drains Around Diaphragm Cells

Application Method

The application was carried out in accordance with a modified version of Belzona Know-How System Leaflets FPA-1 for rebuilding worn and damaged floor surfaces and FPA-3 for protecting floors and drains against chemical attack. The concrete surface was prepared by removing loose and spalling concrete, pressure washing, abrasive blasting and diamond grinding. Belzona 4911 and 4131 were applied in accordance with Belzona's Instructions for Use. Two coats of Belzona 5892 at approximately 10 mils per coat were applied in accordance with Belzona's Instructions for Use. The entire application was completed per the details described in the Application Survey Report.

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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Belzona Facts

The customer’s decision to use Belzona 5892 was partially based on the need for a coating that would withstand exposure to caustic and brine solution at high temperatures. Another factor that influenced the customer’s decision was the fact that Belzona products have an excellent reputation and a history of successful applications at this facility. The total surface area coated was approximately 16,020 sq. ft.

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