

ELEVATOR PIT LEAK SEALED WITH BELZONA

CUSTOMER

Missouri, USA

APPLICATION DATE

December 2017

APPLICATION SITUATION

After meeting with a property management company to discuss leak sealing their cooling tower, they expressed interest in our ability to leak seal concrete containment pits and wanted to explore the possibility of Belzona sealing up their leaking elevator shaft.

PROBLEM

The concrete pit of an elevator shaft had begun to deteriorate and allow water to enter the pit, damage the substrate and corrode the supporting steel structures.

PRODUCTS

Belzona 4131 (Magma Screed)

Belzona 4151 (Magma-Quartz Resin)

Belzona 5231 (SG Laminate)

SUBSTRATE

Concrete

APPLICATION METHOD

All surface contaminants were removed and the substrate was power washed and dried. Once dried, the surface was prepared to application requirements and Belzona 4131 was used to rebuild any failures and create a permanent seal around the elevator drive shaft hole. Then a base coat of Belzona 4151 was used to cover the entire floor, sump, and 2" up the walls. A topcoat of Belzona 5231 was then applied within the overcoat parameters of Belzona 4151 and left to cure overnight.

BELZONA FACTS

This application was completed after hours and within one shift (approx. 10 hours) and saved the Customer from any shutdown time and expensive concrete replacement.

PICTURES

1. Original condition of the elevator shaft. Full of muck, mud, oil, and standing water.
2. Belzona 4131 used to create a permanent seal around the elevator drive shaft.
3. Belzona 4151 applied as a basecoat.
4. Belzona 5231 used as a topcoat.



1.



2.



3.



4.

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