

Brewery Sugar Store Drain Repaired with Belzona

ID: 8437

Industry: Food & Drink

Application: FPA-Floor Problem Areas

Substrate: Concrete

Products: * Belzona 4911 (Magma TX-Conditioner) Belzona 4131 (Magma Screed) ,

Customer Location: Burton-on-Trent, UK

Application Date: October 2020

Problem

The drain had literally collapsed and was covered by a large steel plate. Lifting the plate exposed the superficial situation of the collapsed shoulders which carried the drainage covers. These were not secured, had fallen into the drain and the drain, along with the concrete was compromised so much that the client thought a repair was impossible. The original concrete had failed and was wet through leaving a soft, muddy feel to what was left.



Photograph Descriptions

* 1. Completed works awaiting curing, prior to refitting drain covers 2. New shoulders and downpipe formed 3. New downpipe and central section formed ,

Application Situation

A dedicated room was assigned as a sugar store which included wet areas and drainage. The molasses in the sugar had degraded the drain to such a state that it had to be repaired.

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ISO 9001:2015

FS 695214

ISO 14001:2015

EMS 695213

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Application Method

On removal of all the superficial damaged substrate it was noted that there was far more excavation to be done than first thought. All the wet material was removed back to a solid surface. The drain downpipe had collapsed and the distributors engineers fitted a new one made up from standard parts from a builder's yard, adapting, cutting and fitting it to suit. The drain profile was formed by hand from Belzona 4131, installing plastic sections, again made for the actual installation from other parts, and the new shoulders for the drain were formed. On removal of all the formers, the drain was back to the size and standard required, leaving the customer extremely happy.

Belzona Facts

Even though the job was larger and more difficult than could have been known when pricing, the distributor went the extra mile and completed the job without any extra costs.

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