

50 YEAR OLD PLINTHS RESTORED WITH BELZONA

ID: 6013



PROBLEM

The site had not allowed time for concrete repair on the plinths where the new machine was to be installed. The customer needed a quick solution that would last just as long as the very expensive equipment being installed.

APPLICATION SITUATION

Brand new machinery was due to be installed in a 50 year old fertiliser plant where the concrete plinths holding the machines were heavily corroded and damaged.

APPLICATION METHOD

The application was carried out in accordance with a modified version of Belzona Know-How System Leaflet FPA-5. The plinths were thoroughly cleaned and blasted to expose raw concrete underneath. Formers were constructed from plywood and plastic sheet to contain the Belzona products as they were built up. Belzona 4111 was used to build up the large exposed area between the existing plinth and back wall. Belzona 5811 was poured into the formers to create the shape of the new plinth. Belzona 4151 was added as a top layer to fill the top cavities and support the new equipment.

BELZONA FACTS

There was no time for a standard concrete repair due to long curing time. The Belzona repair offered a quick application in less than a week, which was the priority for the customer. The adhesion to existing concrete and mechanical properties of Belzona meant that this will outlast a standard concrete repair.

INDUSTRY

General Industry

LOCATION

Fertiliser Plant, Sweden

APPLICATION DATE

October 2015

PRODUCTS

Belzona 5811 (Immersion Grade)
Belzona 4151 (Magma-Quartz Resin)
Belzona 4111 (Magma-Quartz)

SUBSTRATE

Concrete

PHOTOS

1. Existing equipment supported by badly corroded concrete plinths
2. Belzona 4111 used to build up large gap between equipment and internal wall
3. Belzona 5811 and 4151 poured into former
4. New equipment with Belzona renovated plinths

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