

Belzona repairs heavy traffic concrete floor

ID: 9878

Industry: General Industry
Application: FPA-Floor Problem Areas
Substrate: Concrete
Products: Belzona 4131 (Magma-Screed), Belzona 4911 (Magma TX Conditioner)

Customer Location: Mansfield
Application Date: July 2024

Problem

An area just inside the main roller door entrance, to a busy engineering works, experienced heavy traffic from forklifts, delivery vans and lorries. Over a period of time, the concrete slab gave up and started to disintegrate under the pressure of the traffic



Part of the main repair, a previous application failed after only 6 weeks. This was their fourth attempt at repairing this floor area



Old, loose concrete and failed repair, no further excavation required. Area coated with Belzona 4911 (TX Conditioner)



Application of Belzona 4131 completed by the company's own staff, under supervision of the Belzona Area Sales Engineer



Shown here, in every day use, some 6 months on

Application Situation

This was the 5th attempt at repairing this area. It was proving extremely problematic for the Chief engineer and the staff who work in that area. The Engineer wanted to fix it with something "high-end" and durable, as repeat downtime and risk of trips, stumbles and falls, as well as damage to fork trucks were all issues that had to be rectified

Application Method

Remove loose and friable

Vacuum area

Mask up border lines

Mix and apply Belzona 4911 (TX Conditioner) to target areas

Mix and apply Belzona 4131 (Magma-Screed) with a gloved hand and compress to finish using a finishing trowel

Belzona Facts

After 5 failed attempts, the work was checked on after 6 months. No defects were found, apart from minor cracking to the concrete adjacent to the repair. The interface is still intact and the small cracks are in the parent concrete due to movement in the area. The

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ISO 9001:2015

FS 695214

ISO 14001:2015

EMS 695213

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9000 Registered Quality
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repair remains solid, flat, level and safe. The Engineer is now attracting a price from a Belzona Experienced Contractor to pursue all the other areas of damage

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