

Roller Door Entrance Repair using Belzona

ID: 8436

Industry: Buildings & Structures

Customer Location: Huthwaite, UK

Application: FPA-Floor Problem Areas

Application Date: September 2020

Substrate: Concrete

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

Problem

A concrete entrance had been compromised by years of wear from fork lift traffic running over a small concrete entrance pad which had suffered cyclic freeze/thaw in the winter, heavy rain and other erosive forces. The existing concrete had become compromised to a limit where it had become a safety hazard to run industrial traffic over the area



Photograph Descriptions

* 1. Prior to repairs 2. Finished application 3. Aco drains installed 4. Aco drains installed ,

Application Situation

A concrete entrance needed repairing and the installation of 2 x Aco drains to help manage the water draining off the yard above

Application Method

The concrete was prepared as per the Belzona 4131 IFU and the application was carried out in accordance with Belzona System leaflet FPA-1. The Aco drain gulleys were dug out and the Aco drains installed. Belzona 4911 was mixed and applied to specification as per the Belzona 4131 IFU. Belzona 4131 was mixed and applied according to the Belzona 4131 IFU. The area was left to cure for the recommended time according to ambient temperatures.

Belzona Facts

The compressive strength of Belzona 4131, fully cured has been tested to a compressive strength of 13,000psi. (89.6 MegaPascals (MPa)) The compressive strength of cured concrete can vary from 2500 psi (17 MPa) for residential concrete to 4000 psi (28 MPa) and higher in commercial structures. Higher strengths up to and exceeding 10,000 psi (70 MPa) are specified for certain applications. These are rated on a 150mm concrete block which has been left to fully cure for 28 days. Therefore, the Belzona 4131 is anywhere between 3 and 6 times stronger than industrial concrete at the recommended 6mm thickness.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015

Belzona products are

FS 695214

manufactured under an ISO

ISO 14001:2015

9000 Registered Quality

EMS 695213

Management System.

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