

REFERENCE

Industrial Flooring Project, Great Yarmouth

Application Field

- Floor coating – industrial systems

Structure Type

- Industrial buildings / halls

Brief Description

The warehouse was currently being used as a liquid chemical store. The floor was in a poor condition and required a chemical resistant flooring refurbishment to allow for continued use.

Main Problem and Requirements

A repair had previously been carried out to the worst areas in the floor using reinforced concrete. Unfortunately, this had been over watered during the previous install which resulted in an excessive layer of laitance and a weakened slab.

Once the floor had been prepared, the weaker concrete required strengthening with Epoxy MT100, thinned 10% to aid penetration into the concrete matrix. Two further coats of Epoxy MT100 were applied to form a liquid damp proof membrane. The building had been constructed on an existing yard slab therefore it was unlikely that a DMP was present which could lead to osmotic blistering if not installed.

A scratch coat of Epoxy MT100 was also applied to fill the profile of the floor.

Products and Systems Used

Epoxy MT 100
Epoxy WHG
Quartz Aggregate 0.3mm-0.6mm



Remmers Epoxy WHG was selected as the most suitable form of resin flooring as it offers excellent chemical resistance along with crack bridging capabilities, making it particularly suitable for this type of old industrial floor.

To achieve the required level of slip resistance, a 0.3mm – 0.6mm quartz aggregate was added to the first coats of Epoxy WHG, providing an even slip resistant finish.

Installer

Corroless Eastern

Completion

May 2017