Case Study: Seamless Flooring Systems

Specialist Flooring Repairs and Screed Replacement at NHS Hospital

Client: NHS Hospital

Project: Replacement of Screed to Service Duct Covers

Project Value: £32,500

Products Used: KDR Polybulk & Polyscreed

Completion: September 2026

Project Duration: 4 weeks

Client Requirements

Zenith was appointed to replace failed screed across a series of inspection covers positioned over a major service duct within an NHS hospital.

Located within one of the hospital's main thoroughfares, the area is in constant use by catering teams, deliveries and other essential hospital services. Maintaining access throughout the works was therefore a key consideration.

The existing covers featured a mixture of concrete and polyurethane screed finishes, with several having deteriorated and failed. A durable replacement was required that could withstand the demands of this heavily trafficked environment while allowing the service covers to remain fully accessible.



Further details can be found on the following page.

zenith

Unit 4, 205 Torrington Avenue, Coventry, CV4 9UT

T: 024 7668 7167 E: info@zenithcontractservices.co.uk

www.zenithcontractservices.co.uk

Overview of Work

Each failed cover was carefully released by removing the retaining fixings positioned in each corner. These were temporarily replaced with threaded lifting eyes, allowing the heavy covers to be safely lifted and removed for refurbishment.

Once a cover had been removed, the exposed service duct was temporarily protected using 36mm marine plywood. This allowed traffic to continue through the area and helped minimise disruption to day-to-day hospital operations while the refurbishment work was completed.

The failed screed was then broken out from each duct cover to expose the underlying metal tray. Following preparation, a primer coat and reinforcing mesh were introduced before the covers were rebuilt using KDR Polybulk polyurethane bulk screed.

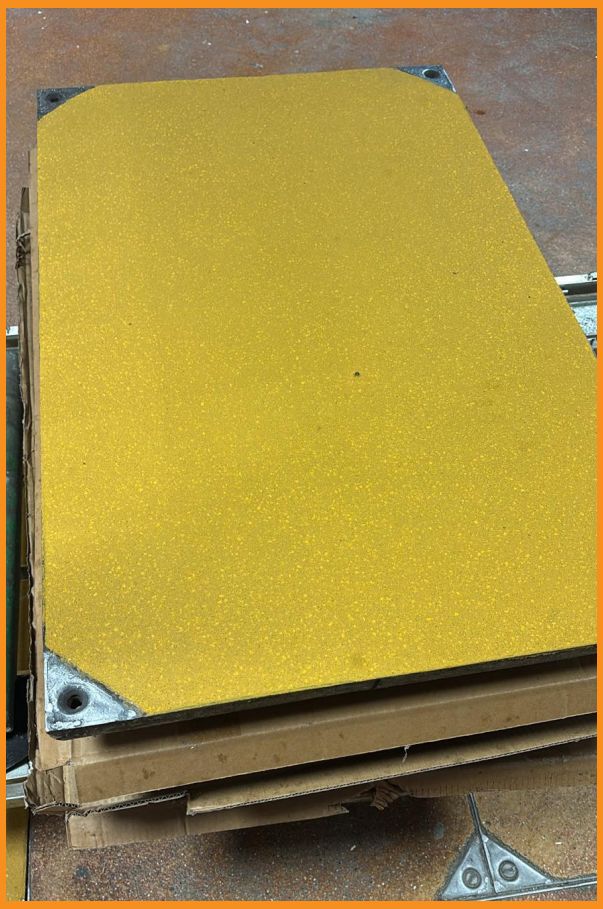
A final 6mm polyurethane screed wearing surface was then installed using KDR Polyscreed, creating an overall build-up of approximately 70mm.

Once fully cured to a hard finish, each refurbished duct cover was returned to its original position and securely refitted using new screws.

Features & Benefits

- **Removal of failed screed:** Allowed deteriorated material to be completely replaced
- **Temporary marine plywood covers:** Maintained access through the busy hospital thoroughfare
- **Reinforcing mesh:** Added reinforcement to the rebuilt flooring system
- **Polyurethane bulk screed:** Rebuilt the substantial depth required within each metal tray
- **6mm polyurethane wearing surface:** Provided a durable finish for a heavily trafficked environment
- **Individual cover refurbishment:** Allowed essential service duct access to be retained
- **New retaining screws:** Ensured refurbished covers were securely returned to position





Further details can be found on the following page.

Outcome

The completed works provided the hospital with renewed, hard-wearing service duct covers capable of meeting the demands of one of the site's busiest thoroughfares.

Careful phasing and the use of temporary marine plywood covers allowed essential hospital traffic to continue throughout the four-week programme, minimising disruption while the failed flooring was systematically replaced.

The works demonstrate Zenith's ability to deliver specialist flooring repairs in sensitive, continuously operational healthcare environments.

Contact

For more information, please call us on 024 7668 7167 or email info@zenithcontractservices.co.uk





