



Project Case Study

Project:

York – Foss House

PROJECT CLIENT:

mitie

STRUCTURE:

Multi-Storey Car Park

PROJECT COMPLETED:

June 2021

AREA:

3,000m²

SPECIFIED PRODUCTS:

- Deck**Protect**+MMA External
- Deck**Protect**+MMA Internal
- Tremco Repoma
- Nufins MCI 2020

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The Foss House car park is located in the centre of York city and is adjacent the river Foss. The car park consists of 3 levels each measuring approximately 1,000m² all with concrete substrates.

The exposed top deck level was in poor condition and allowing water to ingress through to the lower levels below. The existing deck coating was initially planed, followed by a vacuum shot blast to prepare the substrate ready for the application StructureCare's Deck**Protect**+MMA External waterproof deck coating system.

Before applying the deck coatings StructureCare applied a migrating corrosion inhibitor (MCI) to all levels. The MCI is designed to prevent steel corrosion by forming a thin layer of protective barrier film on the surface of the rebar through adsorption mechanism.

As part of StructureCare's works concrete repairs were undertaken throughout the car park, including to the soffits of the mid level which had spalled in areas due to the water ingress.

A permanent netting system had been applied to the soffit of the mid level in order to prevent lumps of concrete spalling and causing damage to vehicles below.



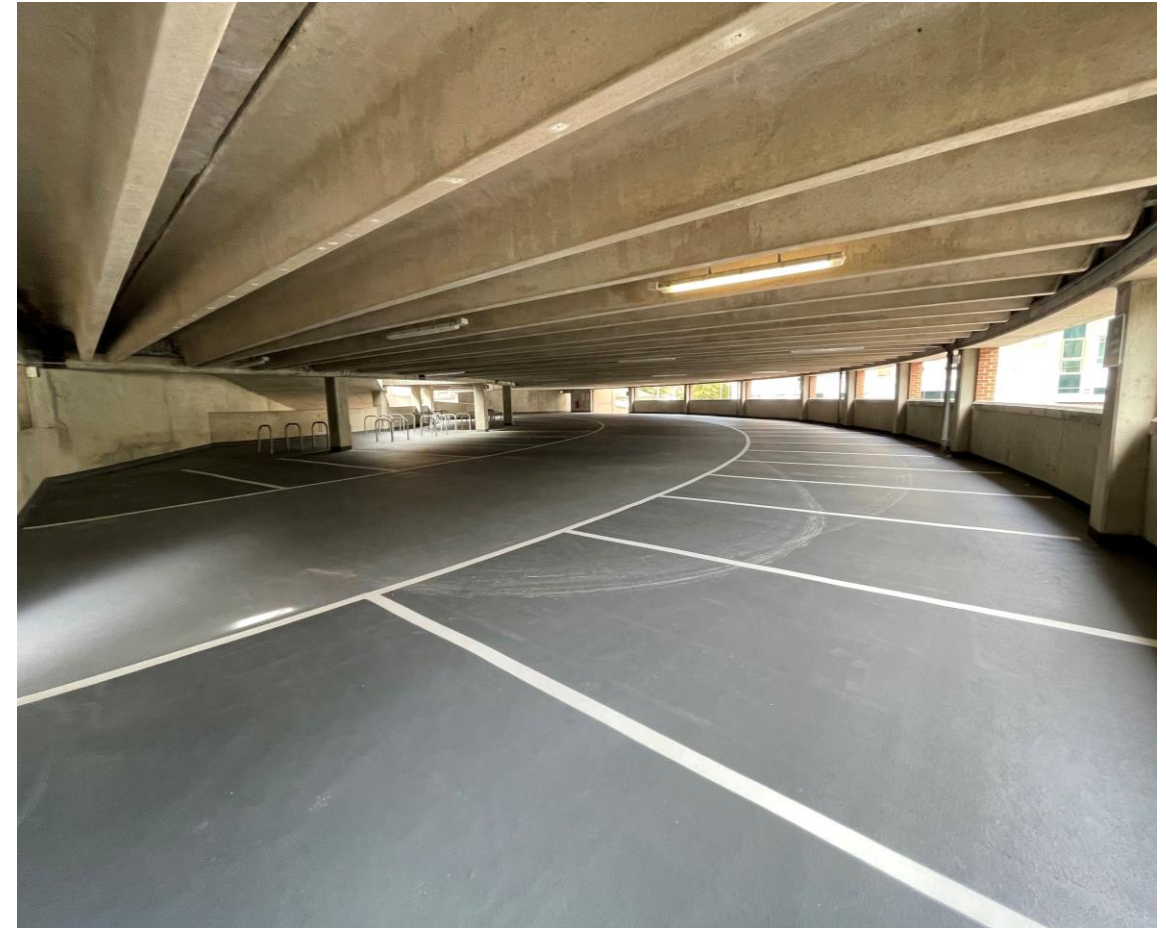
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The top deck of the car park has coping stones around the perimeter which had become unsightly due to dirt/grime. The coping stones were also no longer sealed and were allowing water to ingress into the structure and visible staining was present to the structure.

A key factor in the award of the contract to StructureCare, part of the CPG Europe Group, is the company's unique position within the sector, as both a manufacturer and installer of the DeckProtect+ range of deck coating systems.

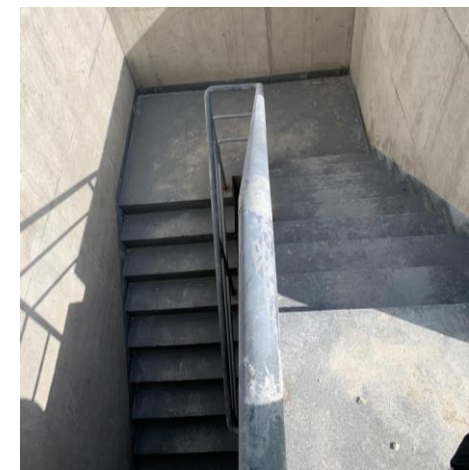
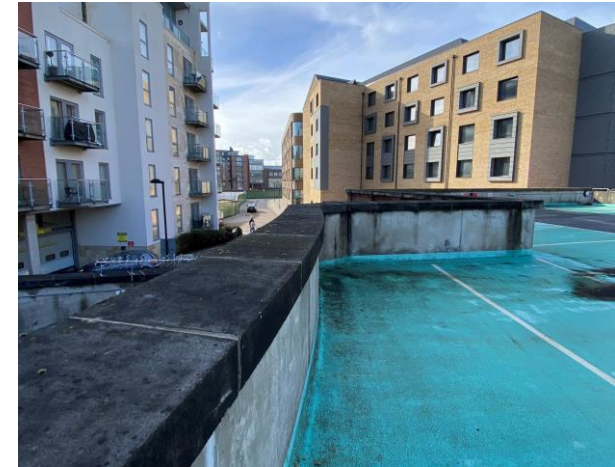
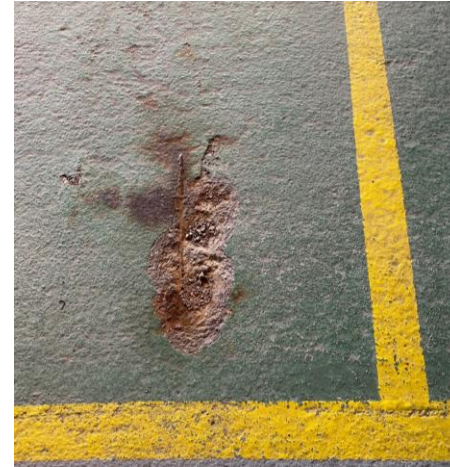
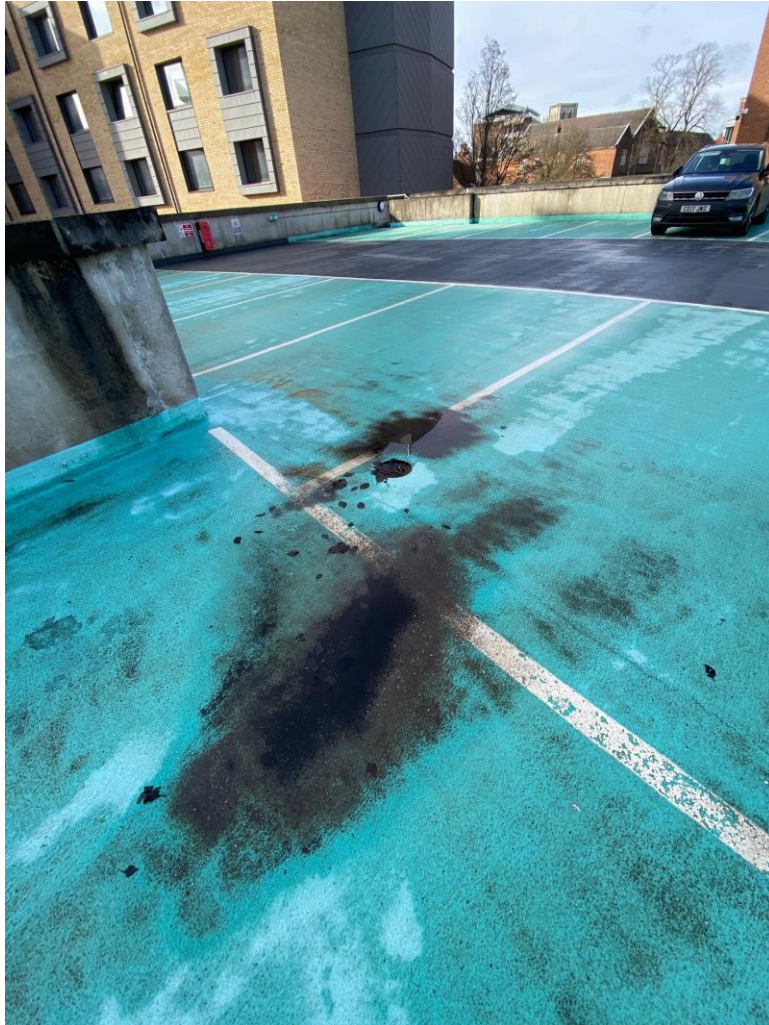
The project was a huge success for StructureCare, the works were completed to everyone's satisfaction with Clayton Davis, Project Manager, StructureCare explaining: *"We faced many challenges along the way such as managing a live construction site so close to a river and having to have procedures in place to ensure dust was kept to a minimum and no contaminants entered the car parks drainage system. But we delivered, and I am delighted with the finished result".*

If your car park is in need of a refurbishment please do not hesitate to get in touch with StructureCare for a free site survey and specification. Email info@structurecare.com or complete our online enquiry form: <https://www.structurecare.com/contact-us/>



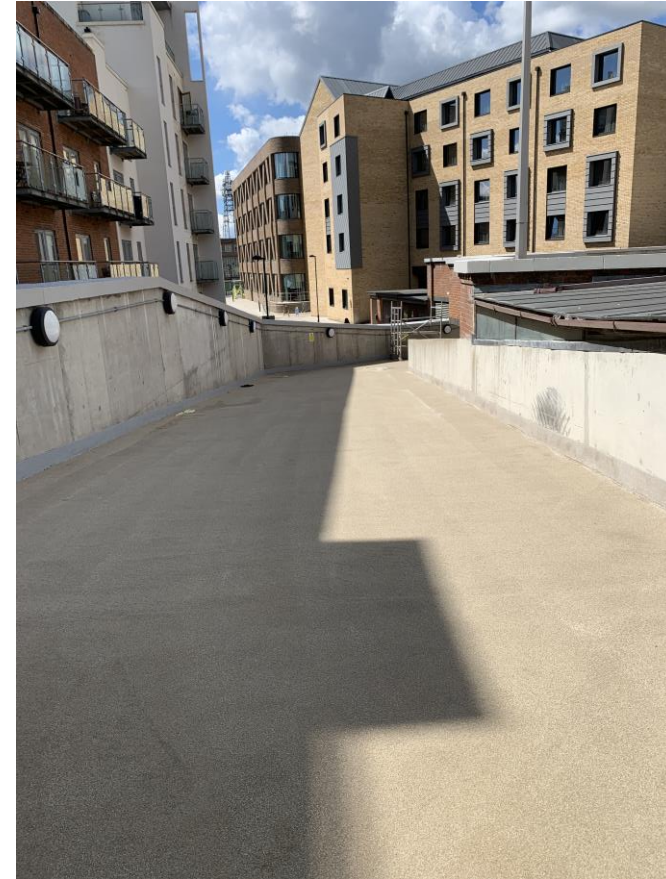
Before

StructureCare

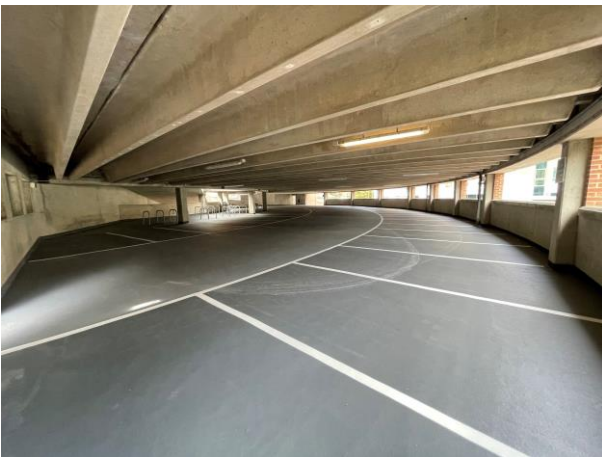


During

StructureCare



After



CONTACT US

StructureCare provides comprehensive Technical Support Service for architects, specifiers and surveyors on both new build and refurbishment projects.

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