



PROJECT CASE STUDY - WELLINGTON STREET LEEDS, MSCP

Project Cost: £900,00.00

Specified products:

Deck Coatings: DeckProtect+ Systems

Anti-Carbonation Paint: Nufins Covercrete

Concrete Repairs: Nufins specialist repair mortars

Duration: 35 Weeks

Project Start: May 2019

Project Finish: February 2020

INTRODUCTION

StructureCare were appointed as main contractor for refurbishment of the Wellington Street MSCP located in Leeds. Wellington Street is conveniently located just off the Inner Ring Road and the car park is in the centre of the Leeds Business District providing provides approximately 400 car park spaces.

The MSCP is a concrete frame structure and was built during the 1970s/1980s. No significant refurbishment appear to have been undertaken since construction. The structure comprises of four levels of car parking and has mastic asphalt surfacing to the top level which was no longer protecting the structure from passage of water.

The building is 5 storeys in total with 4 elevated slabs. It is a brick clad, concrete framed structure, on a split-level with 2 bays plus cantilever to one side and 4 bays plus cantilever to the other. In-situ concrete ramped access was provided between the two sides and the next levels.

SCOPE OF WORKS & METHODOLOGY

Concrete repairs - Concrete Repairs were undertaken using a combination of Nufins proprietary concrete repair products within the car park decks.

Deck Coatings - A range of DeckProtect⁺ protective deck waterproofing systems were applied to protect the structure from further degradation this included high friction surface treatment where required.

Application of Anti- Carbonation coatings – Painting of soffits, columns, and walls with anti-carbonation coatings to improve the visual appearance and protect concrete elements from carbon dioxide ingress and carbonic acid formation.

Vehicle restraint systems – The existing barrier system was non-compliant and beyond economical repair. These were replaced with a range of sprung steel Vehicle Restraint systems.

PROJECT PHOTOS



