

# STRUCTURES CASE STUDY

## Car Park Refurbishment

# MAKERS

...makes the difference

### PROJECT

Sunbury Cross, Middlesex

### STRUCTURE

Multi-Storey Car Park

### CLIENT

Threadneedle Pensions Limited

### CONTRACT TYPE

JCT Intermediate Building Contract  
with Contractors Design 2011

### CONTRACT



The Sunbury Cross Shopping Centre was partially redeveloped and refurbished in the mid 1990's and now is anchored by Marks and Spencer. Sunbury Cross is the main Shopping Centre at the eastern end of the borough and is in close proximity to junction 1 of the M3.

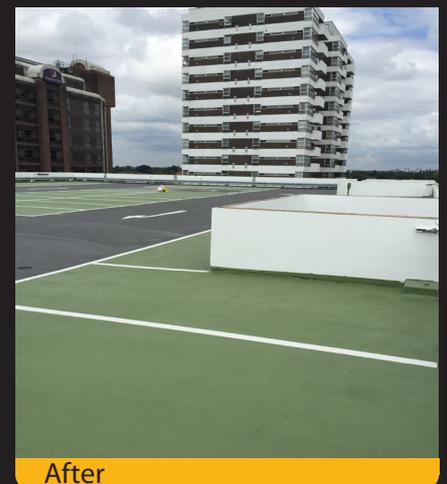
The asphalt surface of its two top decks – which are reserved for residents had become cracked and blistered due the long term exposure to the elements.

The exposed top deck surface was prepared by planing to remove surface laitance and contaminants to provide a suitable substrate followed by a captive blast, onto which Sika's fully mesh-reinforced RB58 System to 2000m<sup>2</sup> was applied in Leaf Green colour.

Makers were appointed by Colliers International to remove the existing asphalt which had become fatigued, prepare the remaining surface and install Sika RB 58 fully reinforced deck membrane system, carry out concrete repairs to the decks and soffits, installation of new lighting, refurbishment of lifts and the replacement of the external fenestration of the MSCP. All to improve the overall shopping car park experience.



Before



After

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## Association Membership



## Accreditations



# CASE STUDY

## Facade Replacement

# MAKERS

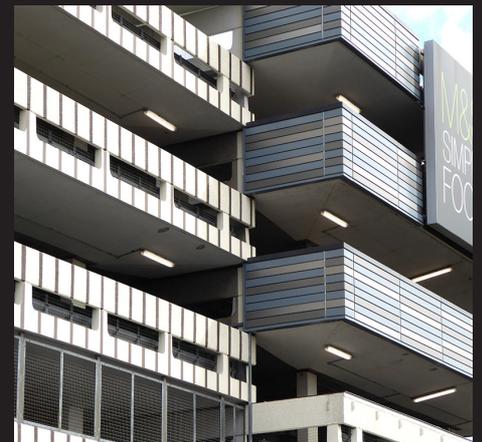
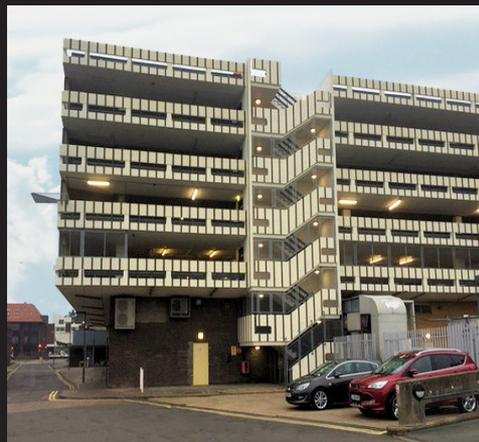
...makes the difference



Whilst carrying out repairs to the top deck, the concrete repairs to the ramp soffits were prepared and application of the corrosive inhibitor Sika Ferroguard 903 applied, followed by Sikagard 550w paint. New Emseal DSM joints were fitted to all ramps.

Escape Stairwells received an application of Sikagard 675w to the walls and soffits, with replacement of a new lift, and a full lighting scheme took place.

At the same time the 1960 structure was in need of re-imaging. Structural repairs to the precast concrete wall panels to the car park had become dull. RGP Architects had created a design to break up the bland concrete and redesigned by replacing the panels with vertical stripes and painted in a suitable light imaging colour. North side elevation, Aluminium cladding was positioned in contrasting horizontal colours to create a new contemporary image for the Shopping Centre.



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