

CASE STUDY

Overcoating Asphalt Systems

PROJECT

The Rock Shopping Centre, Bury

STRUCTURE

Car Park

CLIENT

Thornfield Properties (Bury) Ltd

CONTRACT VALUE

£425,000 circa

CONTRACT



The multi-storey car park situated in the centre of Bury provides 1250 parking spaces to users of the shopping centre and parking for private tenants.

Built in 2010 the asphalt top deck was suffering from splits and water penetration to the lower decks, because of its mixed parking use a complex system of entrance and exit barriers was deployed.

Makers were engaged to repair the original asphalt and waterproof it using the Triflex DFS System. A new system of less complex barriers was installed and the top deck solely dedicated to tenant parking.

The Triflex DFS system was chosen following a competitive tender process and due to its track record in successfully overcoating asphalt decks and was guaranteed for 10 years.

The new layout had dedicated bay numbers for allocation to tenants with enhanced line marking and speed control measures.



Before



Before

Association Membership



Accreditations



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CASE STUDY

Overcoating Asphalt Systems

MAKERS

...makes the difference



Existing Column Bases



Restrictive Kerbing



Barrier Congestion

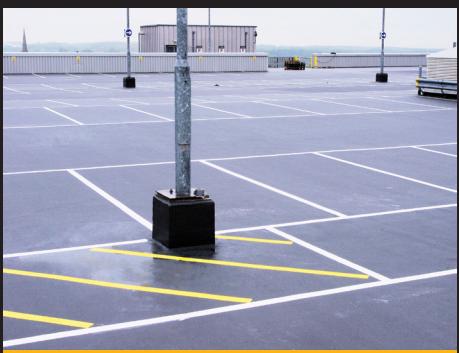
Despite being constructed in 2010, cracks and splits had already formed in the surface of the original asphalt top deck waterproofing. Having already carried out the re-alignment of the traffic flow of the car park's intermediate decks through replacement signage and new drive aisles, Makers re-modelled the top deck of the car park removing the existing barrier entry & exit system along with the cumbersome kerbing that made manoeuvring around the car park difficult.

Having prepared and primed the asphalt (Triflex Primer222), cracks up to 3mm in the asphalt were overbanded with a 200mm-wide Triflex reinforcing fleece incorporated into Triflex DFS. Cracks wider than 3mm were filled with Triflex Cryl paste and then double-banded with fleece prior to encapsulation. The entire top deck was then re-waterproofed using Triflex's Deckfloor DFS external which is particularly suited to asphalt overcoating. The reinforced concrete bases of the lighting columns have also been re-waterproofed as part of the overall refurbishment programme.

A primary objective for the refurbishment of the top deck of the car park has been to change it to provide user-friendly, resident-only parking. The previous layout meant a reduced parking capacity whereas now, some 350 parking spaces have been created by completely re-aligning the previous parking space layout. The cumbersome kerbs have been removed along with the old surface-bolted handrail segregation system providing a much easier to manoeuvre car park. The entry & exit barriers have also been re-located to improve entry & exit for users.



Column Bases Watertight



Kerb Obstacles Removed



User-friendly Layout

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