

Case Study //

Car Parks //

Client | Wm Morrison Supermarkets plc
Role | Principal Contractor

Retail Shopper Car Park Refurbishment

Morrisons Store Car Park, Blackburn

SCOPE

- // Deck Waterproofing
- // Movement Joints
- // Line Marking

DETAILS

- // Application of Sika's RB58 waterproofing system
- // Split-level structure 8,000m² comprising two separate parking decks and ramps re-waterproofed

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Role | **Principal Contractor**

Before: Damaged kerbs



After: Protected & reinforced

The multi-level store car park at Morrisons Blackburn consists of a reinforced concrete frame with each of the parking decks formed utilising pre-stressed 'double-tee' beams onto which a reinforced structural concrete topping and asphalt waterproofing is applied.

Given the nature of this car park's construction, there was reflective cracking in the top deck asphalt waterproofing

Before: Blistered and split asphalt



After: Decks re-waterproofed

along most of the beam lines which was allowing water ingress into parking levels below. This necessitated the application of a fully reinforced car park deck waterproofing system to ensure watertightness and prevent further damage.

The asphalt to the entire top deck and semi-circular inclined ramps was prepared through captive blasting followed by the application of Sika's fully reinforced and

Before: Damaged asphalt on ramps



After: Ramps watertight

rapid-curing RB58 deck waterproofing system. Once re-waterproofed, all linemarking, directional arrows & instructions to both the decks & ramps – measuring approximately 8,000m² in total – were reinstated.

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Cemplas Waterproofing & Concrete Repairs Ltd
Cemplas House, 25a, Breakfield, Ullswater Industrial Estate, Coulsdon CR5 2HS

T: 020 8654 3149 F: 020 8656 6984
E: info@cemplas.co.uk W: www.cemplas.co.uk



www.cemplas.co.uk