

## Case Study // Service Decks

Client | Elmsleigh Shopping Centre  
Role | Principal Contractor  
Consultant | Chamberlain Consulting (CCLP)

### Service Deck Re-waterproofing

Elmsleigh Shopping Centre, Staines



#### SCOPE

- // Asphalt Repair
- // Movement Joints
- // Asphalt Deck OverLay

#### DETAILS

- // Service deck over occupied retail units
- // 80 LinM of movement joints replaced
- // 730m<sup>2</sup> of Sika RB58 deck waterproofing
- // Line marking and instructions reinstated

# Case Study //

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 Chamberlain Consulting (CCLP)

**Before:** Worn and Damaged Asphalt



**After:** Asphalt Re-Waterproofed

The scope of this project was to repair and re-waterproof the damaged (impact by HGV's etc) asphalt and the failed movement joints to the service deck which was allowing water ingress into the shopping centre below.

The existing failed movement joint was broken out with the surrounding split asphalt also removed. New joint

**Before:** Failed Movement Joint

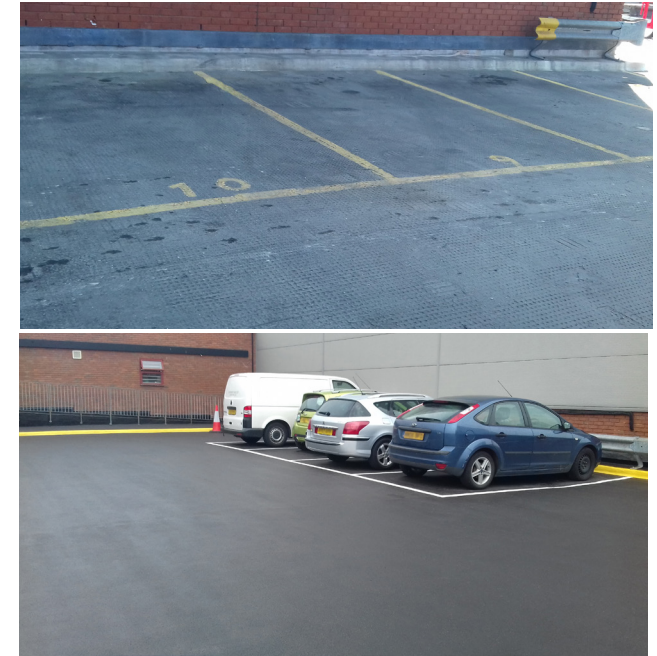


**After:** Structural Coverplate Movement Joint

supports were reconstructed to ensure the new Emseal SJS coverplate movement joint would be watertight. Once installed, the asphalt and waterproofing system were reinstated.

The surface of the service deck was prepared through planing off circa 5mm and captive blasting. Damage to the asphalt was then repaired prior to the application of Sika's

**Before:** Tired Asphalt Surfacing



**After:** Asphalt Re-Waterproofed (OverLayed In-Situ)

fully reinforced and rapid-curing RB58 deck waterproofing system. Once re-waterproofed, all line marking and directorial arrows and instructions were reinstated.

All works were carried out over a 10-week programme with phased possessions to minimise inconvenience to the service and delivery vehicles using the service deck.



**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

