



Case Study

Jumeirah Carlton Hotel



When specialist contractor **Cemplas Waterproofing and Concrete Repairs Limited** was called to refurbish a leaking suspended concrete slab above the basement car park of the prestigious Jumeirah Carlton Hotel in Knightsbridge they opted to use Tremco's Tremproof 250 GC as the membrane to be applied below an asphalt topping.

The Hotel had a long-standing problem with water ingress through the suspended slab, allowing salt-laden water to penetrate through the deck into the underground car park and on to the Hotel customers vehicles.

Directly above the suspended concrete slab was the main access ramp to the hotel service yard which meant any refurbishment of the deck would have to be completed without preventing access to the hotel.

Firstly the existing surface was stripped back to expose the concrete slab, and steel angles were installed around the problematic smoke vents.

On completion of the strip back and remedial work, Cemplas installed 300 m² of Tremproof 250 GC directly onto the slab.

Within a few hours the membrane had cured and Cemplas covered this with a protective layer of Tremco VCL 3, which protects the membrane and was able to withstand the 120°C temperatures of the hot-applied blacktop installation.

The fast-track installation meant an end to the water ingress issues and allowed the service road to be quickly reopened to traffic

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