



# SIKA AT WORK

## HIGH CHELMER CAR PARK, CHELMSFORD, ESSEX

REFURBISHMENT: Sikafloor® Pronto

BUILDING TRUST

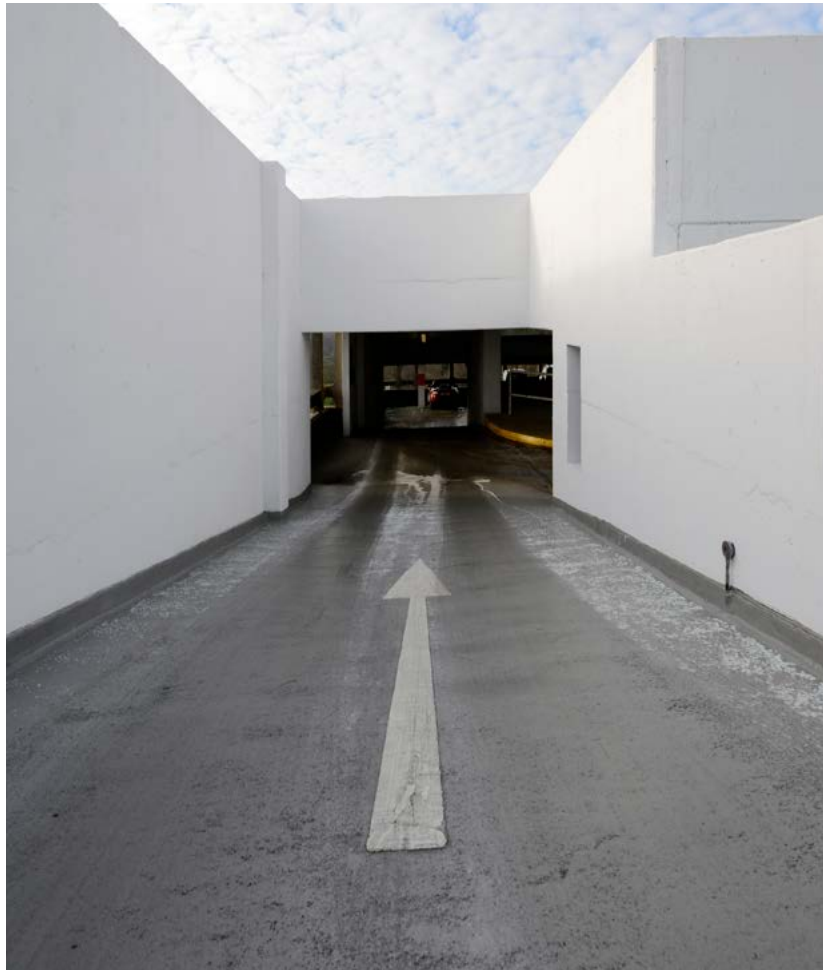


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**SIKA PROVIDES A FULLY WATERPROOF DECKING SOLUTION FOR HIGH CHELMER CAR PARK.**

At the High Chelmer Multi-Storey Car Park in Chelmsford, the exposed asphalt decks of the car park were showing signs of ageing and weathering. With removal and replacement costly and time-consuming [Sikafloor® RB28 Pronto](#) deck system from Sika was laid directly onto the existing asphalt to create a watertight, non-slip car park deck system, returning the car park to full use within the shortest time possible. The use of the [Sikafloor® RB28 Pronto](#) enabled works to be carried out into the autumn months allowing for the installation to be carried within the program.



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Owned by Chelmsford City Council and located adjacent to Chelmsford's High Chelmer Shopping Centre, this reinforced concrete multi-storey car park provides in excess of 1,000 parking spaces. Having undergone a major programme of refurbishment using [Sika concrete repair/corrosion management and decking systems](#) to the internal elements of the structure some four years ago, it was now the turn of the top deck to be completely re-waterproofed.

The top deck – split over three levels – had been waterproofed with a mastic asphalt wearing surface since its original construction in the 1960's however given long-term exposure to the elements combined with constant vehicular traffic, the asphalt layer had developed many splits and cracks allowing water to enter into the car parking decks underneath.

Following a successful trial to demonstrate its bond to the substrate, approximately 6,000m<sup>2</sup> of [Sikafloor® RB28](#) Pronto was applied over the existing asphalt to provide a slip resistant and hard wearing waterproof surface. Utilising the fast setting properties of [Sikafloor® RB28](#) Pronto decking system also ensured works could be completed quickly, with minimal disruption and eliminating the need for material to go to landfill.

Areas of potential movement were protected with bands of [Sikafloor® RB28](#) Pronto which has been fully tested to meet the highest crack bridging standards available on the market – including [BS EN1062-7](#) Method B, which tests the complete system through 20,000 crack cycles up to 0.5mm @ -20°C. This demonstrates the system's ability to protect against water penetrating through the membrane and ensures the future integrity of the deck.

**For further information call 0800 112 3863.**