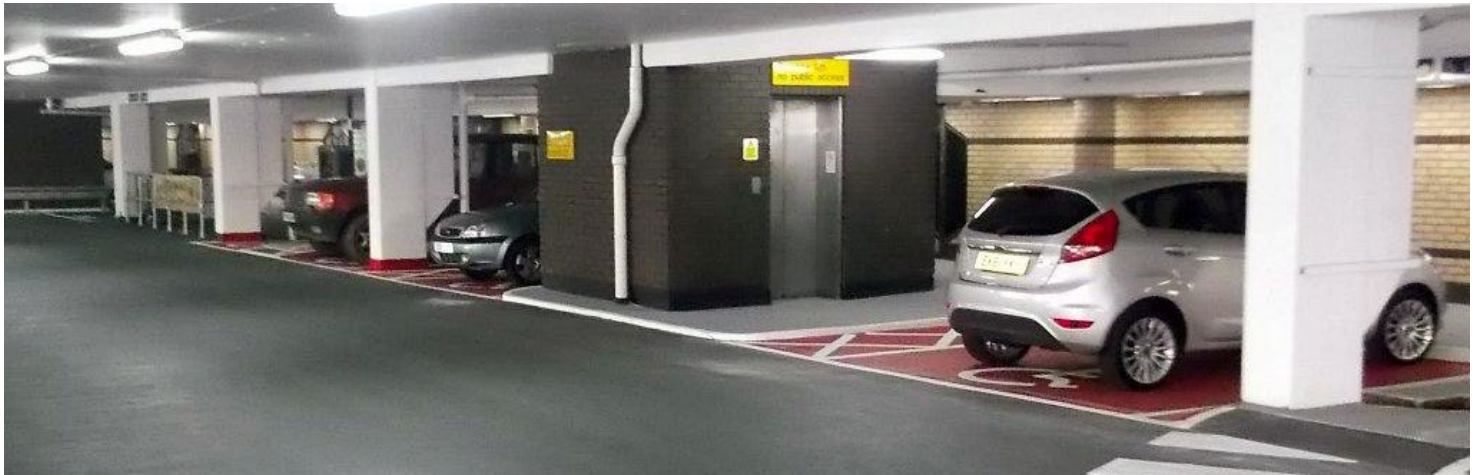




**SIKA AT WORK**  
EASTGATE MSCP  
BASILDON

# EASTGATE MSCP BASILDON



Sika Car Park systems have completely revitalised Eastgate MSCP

## Project Description

The multi-storey car park at Basildon's Eastgate shopping centre has parking spaces for 650 cars. Before refurbishment, the car park was dark and quite dingy and not offering a particularly welcoming environment to visitors to the centre. The parking bays were tight, designed for cars from the 1980's and quite unsuitable for many modern vehicles.

## Project Requirements

The car park was in need of major refurbishment. Continual exposure to chlorides from de-icing salts, carbon dioxide and water penetration, had caused the concrete to spall as the steel reinforcement within had corroded. A repair solution that would inhibit future corrosion taking place was required together with a durable coating and decking system that would ensure the future integrity of the structure.

## Sika Solution

Sika were able to provide a single source supply for concrete repairs, corrosion management and both deck and soffit coatings. Spalled areas of concrete were removed and soffit repairs carried out using the Sika® MonoTop® system. This one-component system has the advantage of easy handling and application, with high build qualities. Decks were repaired using Sika® Rapid Repair mortar, a cementitious mortar with high early strength, which kept the time out of service to a minimum.

To protect the steel reinforcement from future attack, Sika® FerroGard® 903 corrosion inhibitor was applied to the concrete surfaces. Sika® FerroGard® 903 migrates through the concrete capillaries to the embedded steel surface, and forms a protective layer around the steel.

Soffits were coated with Sikagard® 670W, an environmentally friendly, low VOC, water-based, anti-carbonation coating.

Sika Car Park Decking systems are specially designed to meet the harsh conditions that car parks are subject to, and provide durability, cost effectiveness and an excellent finish. As they are solvent free, the car park was allowed to remain open during refurbishment, with just selected work areas closed at any one time.

The eleven month project has given the car park a new lease of life, with larger parking bays and a brighter more comfortable environment for shoppers.

## Project Participants

Owner:	British Land
Main Contractor:	Makers
Specifier:	Chamberlain Consulting

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## SIKA LIMITED

Head Office  
Watchmead, Welwyn Garden City  
Hertfordshire, AL7 1BQ  
United Kingdom

## Contact

Phone +44 1 707 394444  
Fax +44 1 707 329129  
E-Mail sales@uk.sika.com  
www.sika.co.uk

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