



Westside Commercial Centre, Hemel Hempstead

Case Study

Westside is a mixed commercial development just North of the M25 Motorway near Hemel Hempstead, with block paved access and parking areas laid on sand bedding and waterproofing layers, over reinforced concrete deck and podium structures, built over additional parking, storage and other service areas below.

Unfortunately, heavy delivery vehicles over time had caused damage to the paving and consequential damage to joints in the deck below, with breakdown of arises and leaking in areas. A long-term solution to repair and to accommodate this loading in future was developed by the Project Engineers with Cemplas Waterproofing and Concrete Repairs Ltd. This solution was to use the Emseal Thermaflex movement joint system from NCC Movement Joints Limited, the exclusive UK Distributors and Technical Support team for Emseal Joint Systems of Boston, USA.

Emseal Thermaflex is a parking deck expansion joint system that consists of extruded thermoplastic-rubber sealing glands with punched flanges that are embedded in Emcrete flexible mortar, a high-strength, impact-absorbing, elastomeric concrete nosing material. This is mounted in the box-outs formed on each side of the joint-gap to easily install and create this high performance, durable deck movement joint system.



Owner:
Alchemy Asset Management

Consultant:
Clarkebond (UK) Partners

Contractor:
Cemplas Waterproofing & Concrete Repairs Ltd

Main Products Used:
Emcrete and Emseal Thermaflex

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