

Car Dealership Rooftop Parking

Audi Milton Keynes

SCOPE

- // Deck Waterproofing
- // Jointing System

DETAILS

- // 66 rooftop parking spaces
- // 1100m² replacement roof deck
- // Tremco's fibre-reinforced, rapid curing MMA (methyl-methacrylate) deck waterproofing system
- // Ramp re-waterproofed
- // Mechanical movement joint in roof deck using Tremco's Migua jointing system

Case Study //

Car Parks

Client | **BDB Design & Build**
 Role | **Specialist Sub-Contractor**

Before: Re-waterproofing Top Deck



After: Re-waterproofing Top Deck

New car dealerships are often 'landlocked' restricting the volume of parking available for the storage of vehicle stock so the trend is to provide additional parking capacity on the roof of the dealership itself.

The roof deck of this new building had to be completely replaced following the disastrous collapse

Before: Mechanical Movement Joint



After: Mechanical Movement Joint

of the existing roof deck from inadequate design. The replacement comprises a hollow-rib RC slab construction measuring some 1100m², waterproofed using Tremco's fibre-reinforced, rapid curing MMA (methyl-methacrylate) deck waterproofing system. The new deck provides 66 rooftop parking spaces, accessed via an incline ramp, also re-waterproofed

Before: Re-waterproofing Access Ramps



After: Re-waterproofing Access Ramps

using the same system (400m²). The new design also incorporated the need for a mechanical movement joint in the roof deck for which Cemplas installed Tremco's Migua jointing system.

For expert advice, or if you wish to view our previous case studies, please have a look at our website

www.cemplas.co.uk



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

