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# 36

#### LOCATION

CHESHIRE OAKS,  
CHESTER

#### DESCRIPTION

SHOPPERS' CAR PARK

#### CLIENT

MARKS & SPENCER

#### ARCHITECTS

AUKETT FITZROY

#### CONTRACTORS

SIMONS DEVELOPMENTS

#### INSTALLED BY

BERRY SYSTEMS

#### SYNOPSIS

Column mounted perimeter safety barriers for the upper deck and ramp of a two storey shoppers' car park.



BEST NEW  
CAR PARK  
2013



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## SYSTEM 3 KEEPS M&S CUSTOMERS SAFE

System 3 perimeter safety barriers have been installed by Berry Systems at the award winning Marks and Spencer Car Park, Cheshire Oaks. The 950 space car park continues the environmental theme of the adjoining store. This is evident in features such as living walls and the electric vehicle charging points.

System 3 is a fully tested column mounted

safety barrier system that uses tensioned steel rods and infill mesh panels to provide the impact resistance to meet the demands of BS EN 1991 -1-1 2002 Annex B, the European Standard that has superseded BS 6399 Part 1 1996, however the system is compliant with sustaining a 1.50kn load. With a zero footprint in the parking bay, System 3 allows architects to maximise the parking space available,



deck where the car park is shaped to provide wider access to the ramp. System 3 is installed from the parking deck eliminating the need for scaffolding or other access equipment.

The Marks and Spencer Cheshire Oaks Car Park won the Best New Car Park

while providing a flexible system that 'gives' on impact to minimise damage to vehicles and the barrier itself. In addition the low deflection figures means the barriers will not foul and damage other components of the car park such as cladding or, as at Cheshire Oaks, plant pods, vines and creepers.

Berry Systems installed the barriers all round the perimeter of the upper deck and on both sides of the two way vehicle ramp. Specially curved sections were fabricated for the eastern corner of the



at the 2013 British Parking Awards to complete a double for Berry Systems who also installed the complete facade and the ramp safety barriers on the 2012 award winner, Birmingham Millennium Point multi-storey car park.

### SPECIFICATION

- 516 metres Berry System 3 column mounted tensioned steel safety barrier
- 4 Tension Rods Fixed To Columns (Not intermediate Supports)
- Powder Coated Mesh Infill Panels and integral handrail



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