

CASE STUDY

Podium Deck Parking at Retail Centres

MAKERS

...makes the difference

PROJECT

ASDA Supercentre, Huyton

STRUCTURE

Steel Frame & Composite Deck Car Park

CLIENT

ASDA

CONTRACT VALUE

£220,000 Circa

CONTRACT



With 525 stores throughout the UK, ASDA is no stranger to the problems of providing and maintaining parking capacity for its customers. Many of the major grocery retailers have out of town shopping locations which – because they are ‘landlocked’ – are unable to increase shopper parking footprint so have had to look at adding alternative single or multi-deck parking structures to achieve higher visit capacity to increase footfall.

ASDA Huyton is no exception to that problem with a single podium parking deck providing some of its Supercentre’s parking capacity. As with most top deck waterproofing of these types of parking structure, blistering was occurring in areas. These blisters are trapped moisture which is trying to escape and they create dangerous trip hazards across a car park’s surface. Wheel indentation was also another problem.

Makers’ scope of work was to prepare the asphalt deck to remove blistering and make good splits and indents in the asphalt followed by completely re-waterproofing the entire top deck area and vehicle up/down ramp all within a very tight 5-week programme.



Before



Before

T : 08458 994444
F : 01543 480676
E : enquiries@makers.biz
W : www.makers.biz

Makers Office Building 4,
Shenstone Business Park
Lynn Lane, Shenstone, WS14 0SB

Registered in England No: 6348341 Registered Office as above

Association Membership



Accreditations



CASE STUDY

Podium Deck Parking at Retail Centres

MAKERS

...makes the difference



Blisters on Ramp



Two-way Traffic Flow



Slip Resistance Issues

The car park is a single storey, steel-framed composite deck car park providing two parking levels over part of the existing surface car park of this Supercentre in Huyton, Liverpool. The top deck parking area provides approximately 115 parking spaces.

The main access ramp at the side of the elevated parking deck and the main parking deck itself was waterproofed with an asphalt waterproof wearing course. Though the top surface of the asphalt was 'dimpled', concerns had been raised for some time as to the slip-resistant properties of the asphalt and the risk of injury to pedestrians and possible damage to shoppers' vehicles were an accident to occur.

The asphalt was exhibiting a range of defects; those of blistering as a result of trapped (interstitial) moisture and wheel indentations, where vehicle wheels sink into the asphalt when the weather is hot and the asphalt softens in the daytime heat. The wheel indents also create areas of water ponding which in the wet become a serious slip hazard for vehicles and pedestrians alike.

Following careful planing and substrate preparation of the asphalt, the wheel indents were repaired as were the various splits and cracks in the surface. The prepared substrate was primed with Triflex Cryl Primer followed by the application of Triflex's mesh-reinforced Deckfloor system incorporating quartz aggregate to provide slip resistance.

The deck was finished on contrasting colours to differentiate drive aisles in dark grey and parking bays in bright green including 'Parent & Child' parking bays. Disabled-only user bays have been highlighted in blue.



Ramp Fully Repaired



Parent & Child



Finished Deck

T : 08458 994444
F : 01543 480676
E : sales@makers.biz
W : www.makers.biz

Makers Office Building 4,
Shenstone Business Park
Lynn Lane, Shenstone, WS14 0SB

Registered in England No: 6348341 Registered Office as above

Association Membership



Accreditations

