

The Triflex logo is rendered in a bold, blue, sans-serif font.

Delivering solutions together.

TULKETH STREET

SOUTHPORT

Car park waterproofing, surfacing and marking

MULTI-STOREY | UNDERGROUND | SURFACE CAR PARKS

Triflex systems:

Triflex ProPark[®] HD

Triflex DeckFloor

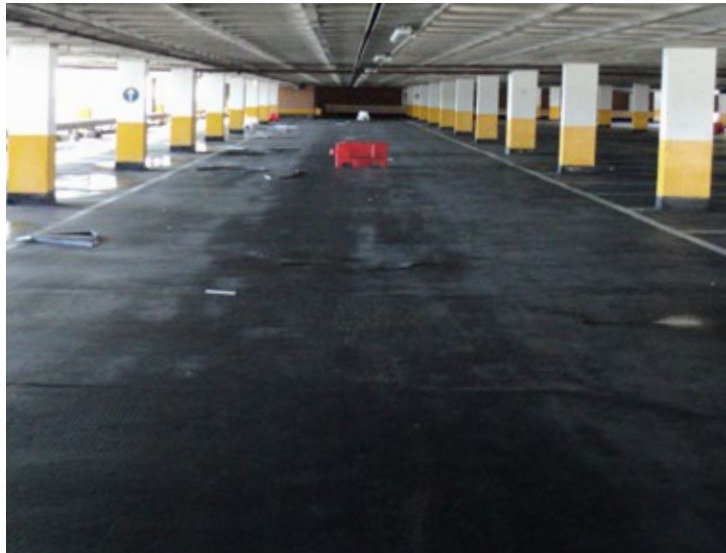


TULKETH STREET, SOUTHPORT

April 2016 saw the start of an impressive new retail development in Southport town centre, along with the renovation of the adjacent 12,000m² multi-storey car park, which included an internal deck over occupied premises and an exposed top deck. Located on Tulketh Street amongst other small retail businesses, the building had remained unused for almost 12 months and had previously been home to a variety of supermarkets. The multi-million pound investment from Sports Direct saw the creation of four units within the existing ground floor of the building, including three retail stores and a state-of-the-art gym.

Due to their experience and knowledge of car park construction, coupled with unsurpassed levels of performance, Triflex were chosen to waterproof, surface and protect the multi-storey car park which lies directly above the store. Working collaboratively with contractor **VolkerLaser**, Triflex performed extensive on-site testing to establish the various requirements for each level, the condition of the existing substrate to establish which Triflex waterproofing and surfacing systems were needed to deliver the ideal solution.

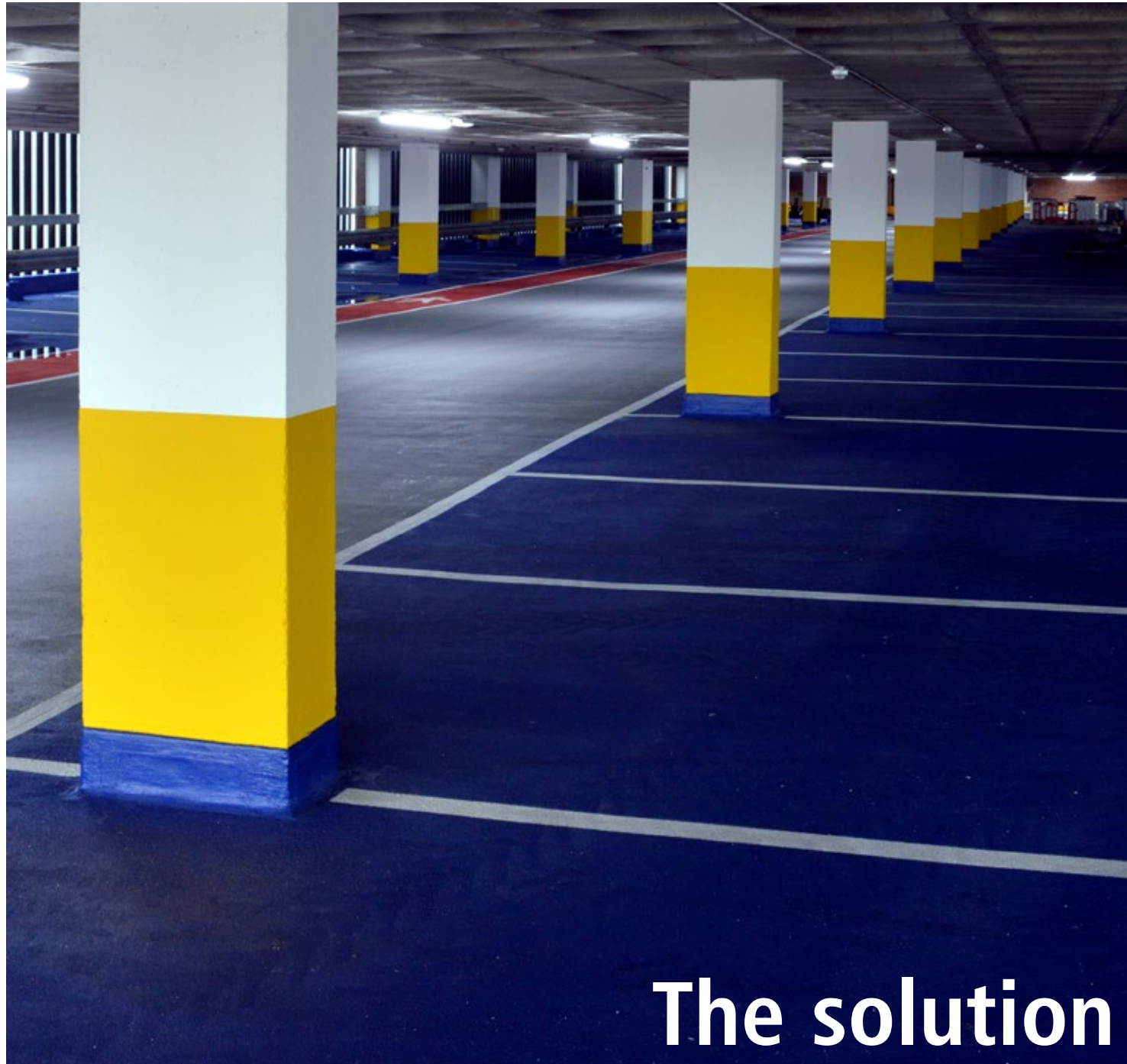
This testing revealed a number of different issues. There was extensive damage which included severe cracking, blistering and indentations of the existing asphalt. There was significant ponding in areas of the car park and contamination from oil, particularly on the internal deck. The existing substrate was so worn down in some areas that the aggregate underneath was beginning to show through, causing a potential slip hazard.





The delivery





The solution

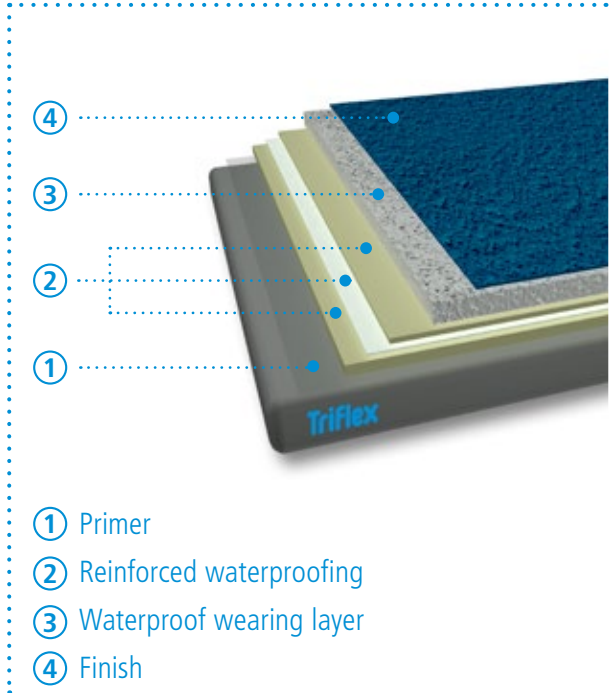
TRIFLEX PROPARK® HD

Triflex performed core testing which revealed the asphalt substrate of the first level of the multi-storey car park had suffered extensive damage, particularly in one area where there had previously been a bakery directly underneath. The heat created from the bakery below penetrated the roof above causing condensation in the structure, causing the structural topping of the car park to deteriorate and collapse. Once the asphalt and Lytag screed had been removed and a new screed laid, **Triflex ProPark® HD** was then installed.

Designed for car park decks and ramps over occupied premises and high risk decks and ramps that are subject to high levels of structural movement, **Triflex ProPark® HD** is a heavy duty BBA and EN1504-2 certified system, that has an excellent track record and offers maximum protection.

System benefits

- Totally waterproof
- Fully reinforced - long term resistance to movement and flexural fatigue
- Excellent substrate compatibility - concrete and asphalt
- Exceptionally rapid curing / rainproof times, even at low temperatures
- Thick layer, tough and highly abrasion resistant
- Maximum colour and design options
- Completely cold applied - no risk from hot works
- Resistant to standing water
- Anti-skid (HSE low slip potential) with high retention of PTV over time
- Fully bonded with exceptional levels of interlayer and substrate adhesion
- Long term warranty





The solution

TRIFLEX DECKFLOOR

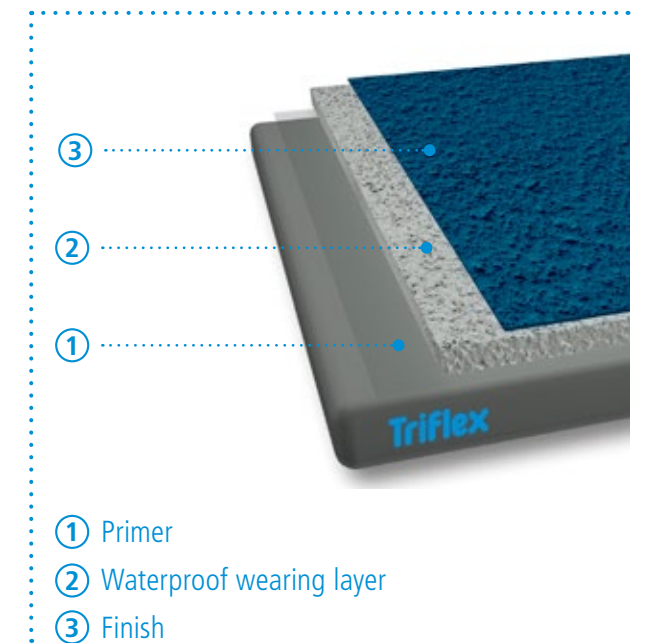
The majority of the car park was directly overlaid using **Triflex DeckFloor**, a tough and durable cold liquid applied, waterproofing and surfacing solution that provides tensile strength for high space change rate car parks both over parking and occupied premises.

During the on-site testing of the second level of the car park however, Triflex identified that certain areas could not be directly overlaid due to the extent of deterioration of the existing substrate, and more than a third of the asphalt had to be completely removed prior to the application of **Triflex DeckFloor**.

With its maximum colour and design possibilities, Triflex DeckFloor allowed Sports Direct to choose their own brand colours for all car park lines and markings, giving a visually recognisable and striking effect.

System benefits

- Compatible with asphalt
- Thick layer, tough, durable, impact and highly abrasion resistant
- Fully bonded with exceptional levels of interlayer and substrate adhesion
- Completely cold applied - no risks from hot works
- Resistant to standing water
- Anti-skid (HSE low slip potential) with high retention of PTV over time
- Maximum colour and design options
- Long term warranty



EN1504-2 OS8 OS13



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PROJECT INFORMATION

Project: Tulketh Street
Location: Southport
Area: 12,000m²
Systems: Triflex DeckFloor
Triflex ProPark[®] HD
Contractor: VolkerLaser

Triflex

Europe's leading specialist manufacturer of cold liquid applied waterproofing, surfacing and protection systems.

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