

CASE STUDY

Car Park Refurbishment

MAKERS

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PROJECT

Jacky Whites Car Park

STRUCTURE

Multi-storey Car Park

CLIENT

Sunderland City Council

CONTRACT



Jacky Whites Market in Sunderland has a rich history that dates to the early 20th century when it was established by James Whyte, known locally as "Jacky", but the iconic name was borne out of a signwriters spelling error on his original cart, a typo that remained ever since. Initially, he sold fruit and vegetables around Sunderland before opening his first indoor market in 1925. Despite facing numerous challenges, including fires and bombings during the 2nd world War, the market survived and thrived, becoming a symbol of Sunderland's identity. It has been a staple in the city's shopping scene for over 95 years, offering a unique blend of traditional and modern shopping experiences. The market's enduring presence is a testament to the resilience and adaptability of its community and the enduring legacy of its founder, Jacky Whyte.

Jacky Whites car park, located in the centre of Sunderland & operated by Sunderland city council is a car park built on top of an indoor market. It is a split-level top deck secure car park, gated and fob operated which is only for residents who live in Astral, Solar and Plant Houses; the 3 high rise flats located in proximity.

Makers Construction won the contract through competitive tender to carry out water proofing to the decks due to water ingress. Water was making its way through the existing asphalt through splits, cracks and upstands which was leaking into the shops and stalls below, Triflex put together a specification following their own testing of the car park.



Before



Before

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The logistics had to be planned well as there was a weight restriction around the car park and residential flats, this meant that deliveries above 12ton would need to be unloaded at the bottom of the ramp and brought up onto the car park using our FLT.

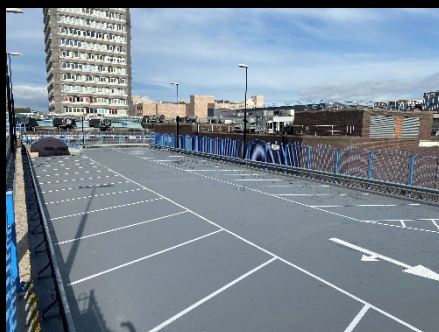
Our first target was to secure the car park and set up a site compound, once this was complete the 2nd asphalt decks had to be planned to remove contaminants and existing line marking, we were then able to carry out an inspection to identify cracks & asphalt repairs required which had to be carried out using asphalt repair mortar. Upstand prep was carried out using handheld grinders.

This next process was to captive blast clean the entire area over both decks, followed immediately by priming the area using Triflex 22 primer to seal the decks to ensure no further water could pass through the substrate.

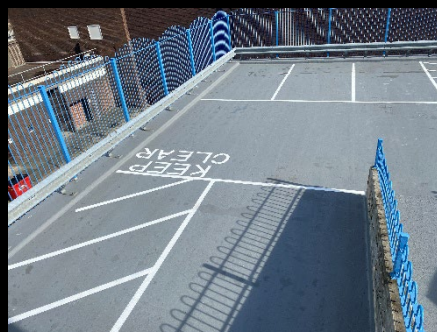
All cracks, day joints and repairs were banded before a fully banded ProPark system was applied, upstands and kerbs were also banded using Triflex ProDetail.

A full wearing layer using Triflex DeckFloor blinded using 0.7 – 1.2mm quartz was applied with the exception of the ramp areas which were blinded using 1 - 3mm quartz which gives a more harsh finish to increase the grip during winter periods.

The entire car park was then re-lined using the spray applied Preco line marking paint to complete the works.



After



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