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Reference Report

Glasshouse NCP Car Park





Glasshouse NCP Car Park

Wecryl Waterproofing System on a Car Park Refurbishment

Contractor: McLaren Parking

Project: Glasshouse NCP Car Park, Glasgow

Substrate: Concrete planks with cementitious structural topping

Size: 3000m²

Material: Wecryl 121, Wecryl 122, Wecryl 230/ 230 Thix , Wecryl 233 with quartz sand broadcast, Wecryl 288 to the main field areas, Wecryl 410 Structured Coating to the ramps, Weseal 815 Fibre Reinforced Putty

Completion: December 2018

MCLAREN



Before



Background: The existing coating had failed considerably exposing the deck below and demonstrating that it was long overdue to be replaced. The structural topping directly below the coating had become soft and unstable and needed to be removed. Other areas of the substrate needed to be stabilised by using our Wecryl 121 Pre-Primer to create a sound and suitable substrate to work from.

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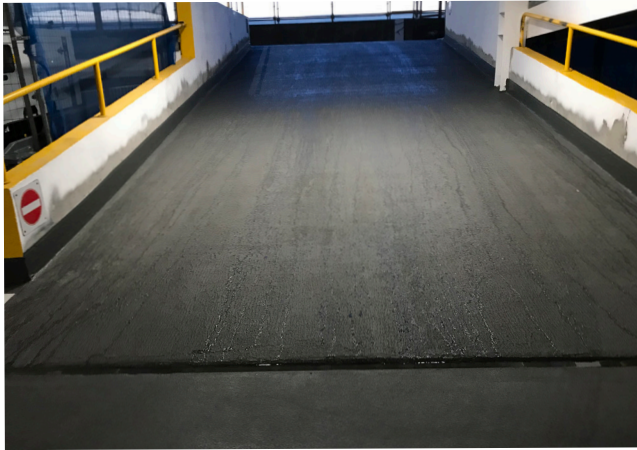
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Wecryl 410 Structured Coating is ideal for ramps, turning circles and areas subjected to frequent traffic

The Solution: A Wecryl fully reinforced waterproofing system with wearing layers and a skid inhibiting finish was installed. Wecryl 288 sealer coat provided the end colour and the demarcation. Wecryl 410 Structured Coating was used on the ramps to provide a robust skid inhibiting finish.

The use of the Wecryl 121 Pre-Primer was used to stabilise the sub-standard deck providing both a cost and time saving whilst lessening the amount of material being removed from site.

Weseal 810 Putty is a rapid curing product that was utilised to repair any minor cracks in the substrate prior to waterproofing with Wecryl 230.

Wecryl 230 waterproofing has elastomeric properties therefore it can accommodate any typical structural or thermal movement that is likely to occur.

To protect the waterproofing and to provide a skid inhibiting finish, quartz sand was broadcast into the Wecryl 233 wearing layer. This provides a robust layer designed to take vehicular traffic but which is also flexible.



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Completed

The Benefits: Each layer of the system is rapid curing and retains these properties even in colder temperatures. The products are showerproof in 15 minutes; this was a major advantage as this site was very exposed to the elements and inclement weather during the installation process.

All of the individual resin layers will homogenise to provide one seamless elastomeric hard wearing membrane.

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