

Case Study

Rochdale Exchange Car Park



Project: Rochdale Exchange Car Park

WestWood Liquid Technologies UK Ltd were asked by JLL & Under 1 Roofing Consultants to provide a full car park condition report, offering recommendations and a guaranteed specification for the Rochdale Exchange Shopping Centre. This car park is situated above the shopping centre and is in constant use by visitors to the shopping centre and the town centre. The existing condition of the asphalt car park was fair but had been damaged over its lifespan. There were numerous dips in the asphalt in every car park bay caused by the tyres of cars. The curbs were also in bad condition throughout the car park and in dire need of repair. Additionally, due to the high volume of visitors to the car park every year, a new improved traffic flow was needed with designated pedestrian walkways to improve safety.

High Performance Waterproofing



Specialist Roofing Contractor: Everlast Group

Project size: 8,500sq. m

Substrate: Concrete substrate with mastic asphalt covering

WestWood products:

- Wecryl 112
- Weproof 269
- Weproof 264 and Fleece details/upstands
- Wecryl 333
- Wecryl 810
- Wecryl 488
- Wecryl 420
- Wecryl 842 Mortar
- Wecryl 810 putty



Aesthetic Finish



The Challenge

Situated above Rochdale Exchange Shopping Centre, this busy car park was suffering from damaged asphalt. Car tyres had caused numerous dips on the surface and the curbs were also in need of repair.

These failings demanded a high-performance waterproofing and surfacing system, which could be installed while the car park remained open to the public.



1m Project



The Solution

WestWood partnered with Everlast Group to deliver the £1m project.

To rectify issues with the asphalt deck, Wecryl 842, a fast-curing repair mortar was used to fill and level the defects.

As large humps of asphalt had been used to encapsulate the street lighting cables, these areas were cut out and new cabling installed. The surface was then reformed also using Wecryl 842. This solution removed the humps, preventing the risk of ponding water and achieving a more aesthetic finish.

New pedestrian walkways were coated with WestWood's Wecryl 420. This resin was manufactured in a vibrant green colour to match the shopping centre's branding and create a visual connection between the car park and retail space.

Refurbishment Success



The Outcome

Wet weather during the works affected the schedule, but the impact was mitigated by the fast-curing properties of WestWood's PMMA-based products, which ensured the retail units below the car park were kept watertight throughout.

The re-designed layout has improved vehicle flow around the main deck area and the brightly coloured walkways have made the car park safer for pedestrians. The client also benefits from a robust single point WestWood insurance-backed guarantee.

In recognition of the refurbishment's success and complexity, the project was crowned 'Waterproofing Project of the Year' at the LRWA awards.

