

## ➤ Extending the road surface lifespan with CRF Surface Sealant



PROJECT – COVENTRY CITY COUNCIL / BALFOUR BEATTY LIVING PLACES WARWICKSHIRE

### BACKGROUND

**The A45 is part of the Strategic Road Network (SRN) in Coventry and Warwickshire. It was originally built 15 years ago and with traffic volumes of 20,000 vehicles per day, the road surface was showing signs of wear from the high traffic volumes, general oxidation and ageing processes. Roadtechs installed CRF Surface Sealant to the carriageway which was approaching the end of its serviceable life.**

Coventry City Council has been at the forefront of introducing innovation into road maintenance activities and, together with Balfour Beatty who is their term maintenance contractor, selected Roadtechs to apply a Surface Extension Treatment (SET) to extend the life of the road surface before resurfacing is required.

Roadtechs have been delivering a range of SET solutions and other interventions in Coventry for over 3 years and have previously undertaken CRF works on a different section of the A45.

### SOLUTION

As an alternative to resurfacing the carriageway CRF Surface Sealant was installed.

On Sunday the 23rd of August, we were able to apply our solution, which is a bitumen based cold spray Emulsion, on 9,727m<sup>2</sup> of carriageway under lane closures.



This ensured that all the traffic was able to keep moving throughout the delivery of the works.

This SET solution provides a new seal for the surface and protects the existing bitumen from the impact of oxidization due to weathering and UV degradation.

*“Balfour Beatty has been working with Roadtechs for a number of years. We welcome the opportunity to collaborate with Roadtechs to bring innovation to the way in which roads are maintained. We have found Roadtechs to be conscientious, professional and look forward to working with them again in future.”*

*Lydia Hamilton-Smith, Engagement, Compliance & Performance Manager, Balfour Beatty Living Places*

## OUTCOME

The CRF Surface Sealant SET solution was applied during a 6-hour window with minimal disruption to the road users, limiting any congestion and subsequent rise in air pollution from standing traffic.

### Using this SET solution also provides:

- **An 88% saving** in carbon emissions compared to traditional construction methods.
- A new bitumen seal on the surface - **reducing reactive maintenance requirements**
- Extension of the surface lifespan - **saving annual revenue budget**

As it is primarily a mechanical process with minimal operative input, it also reduces risk and improves safety.



UNTREATED SURFACE



TREATED SURFACE

## ABOUT ROADTECHS

**One of the UK's leading providers of Specialist Surface Treatment Solutions.** Roadtechs combines innovation, quality, performance and experience with robust solutions and first-class engineering to restore, extend and enhance the life of existing roads and parking areas. This is achieved through the manufacture and installation of high friction surfacing, crack repairs, road markings, concrete carriageway rehabilitation and surface extension treatments.

## WHY CHOOSE SET?

Surface Extension Treatments (SET) provide benefits in the following areas:



ENVIRONMENTAL



OPERATIONAL



FINANCIAL



SAFETY

Speak to our experts, contact us today

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surface extension treatments