



Rhinophalt case studies

Balgillo Road, leading to Strathmore Street, Dundee

A busy commuter and bus route, this HRA and pre-coated chippings road was showing signs of fatigue. The council decided to test Rhinophalt as a clean and convenient alternative to conventional surface dressing in line with their Spend to Save strategy of early intervention.



Balgillo Road: Before



Balgillo Road: Immediately after

Expected Outcome:

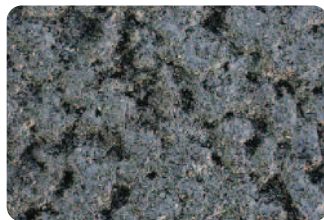
This is the second time that the council has used Rhinophalt, extending their assessment process after closely monitoring an earlier application. The 16,500m² Rhinophalt treatment can be directly compared to another section of the same road which had been recently surface dressed.

A505 Royston to Baldock

In October 2007 Rhinophalt was applied to 17,500m² of heavily trafficked dual carriageway. Although the HRA surface was 8 years old no sign of chip loss was evident. Three months earlier an older section of this road was surface dressed with premium grade as it had deteriorated further than the section in the case study.



A505: Before



A505: Immediately after

Expected Outcome:

Prevention of further degradation of surface and no subsequent chip loss. By redirecting 10% of its annual surfacing budget to preservatives this local authority can maintain double the distance of highway each year.

A35 Dorchester by-pass

Rhinophalt treatment on the busy by-pass was undertaken on 13 - 15 October 2007 with the objective of arresting chip loss. The 17,560m² area of single carriageway is sited in a rural location. Although the road is 18 years old, defelectograph monitoring indicated over 10 years more structural life.



A35: Before preservation



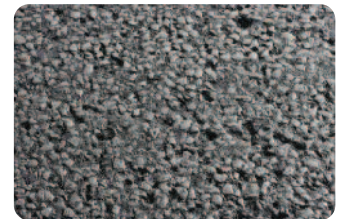
A35: Before preservation

Expected Outcome:

Preservation of the surface will result in only one resurfacing during the contract, saving £130,000/km for the remaining length of the contract.

A1 Black Cat roundabout to Wyboston

This failing six year old SMA was fretting and pulling up in wheel tracks. The Rhinophalt treatment was carried out in October 2007 during the night with TM restrictions. This section of road totalling some 52,200m² was expected to need replacing in Spring 2008 but will now be preserved.



SMA: Before



SMA: One week after

Expected Outcome:

Extending the life of this SMA by 3 years means the HA would only need to replace the surface twice in 20 years, rather than three times saving around £25,000/km per year.

