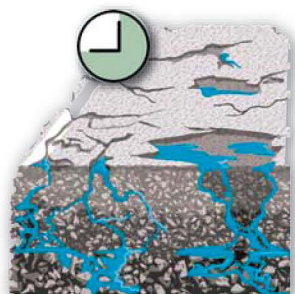


LESS RESURFACING
NO MAINTENANCE
RAPID TREATMENT
~40% SAVINGS

WITHOUT RHINOPHALT®

UNTREATED
SURFACE
ALLOWS
WATER IN



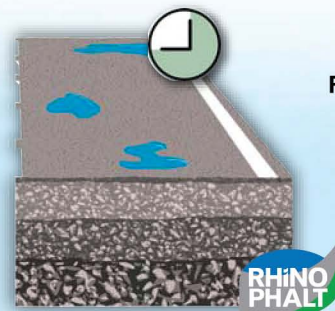
UNSEALED
SURFACE
YIELDS TO
WEATHERING



UNSEALED
SURFACE
LOSES
AGGREGATE

WITH RHINOPHALT®

TREATED
SURFACE
KEEPS
WATER OUT



RHINOPHALTED
SURFACE
RESISTS
WEATHERING



RHINOPHALTED
SURFACE
RETAINS
AGGREGATE

“I cannot see how anyone can ignore the possibilities available through the use of this process, we believe that preservatives are a big part of the future for highway maintenance and we are pleased to be at the forefront of this innovation.”

Performance and technical analysis has demonstrated significant success and UK Highways are now looking to repeat treatments to all areas from 2013 onwards.”

John Gardner General Manager of UK Highways Group commenting on the M40 preservation



Lebuhraya KL - Putrajaya (E20)
KM24.9 SB



DBKL
Jalan Raja Laut, KL



Putrajaya
Persiaran Sultan Salahuddin



ELITE Highway (PLUS)
KM17.5 SB & KM20.0 NB



DUKE Highway
Hillview Ramp



RHINOPHALT.COM



QP Industries Sdn. Bhd. (294593-A)
No. 37G, Jalan PJS 5/30,
Pusat Dagangan Petaling Jaya Selatan (PJCC),
46150 Petaling Jaya, Selangor, Malaysia.

[T] 603. 7782 1688 / 7783 2688
[F] 603. 7781 4866
[W] www.qp-industries.com

Rhinophalt® Is A Trademark Of ASI Solutions Plc

PRESERVING ASPHALT ASSETS

Rhinophalt®, is a cold spray applied material used extensively on highways, airfields and automotive test tracks. The product integrates with the asphalt surfaces bituminous structure to deliver significant benefits and its use ensures that maintaining and preserving of asphalt assets is a highly cost effective, non-disruptive and rapid exercise.

Testimony to the success and performance of Rhinophalt®, is a client base covering most regions of the world including the Europe, China and the Far East, the Middle East and India.

LESS RESURFACING
NO MAINTENANCE
RAPID TREATMENT
~40% SAVINGS

SAVE MONEY & TIME, PRESERVE ASPHALT ASSETS



NO MORE
> RAVELLING
> STONE LOSS
> ALLIGATORING
> CRACKING
> AGGREGATE LOSS
> POT HOLES





LESS RESURFACING NO MAINTENANCE RAPID TREATMENT ~40% SAVINGS

Rhinophalt® is a unique asphalt preventative maintenance treatment which preserves, protects and extends the life of expensive asphalt infrastructure, delivering substantial cost, operational and environmental benefits.

Rhinophalt® Preserves Asphalt By:

IMPROVING RESISTANCE TO WATER INGRESS

IMPROVING RESISTANCE TO WEATHERING

IMPROVING AGGREGATE COHESION

Rhinophalt® Delivers Proven:

FINANCIAL BENEFITS

OPERATIONAL BENEFITS

ENVIRONMENTAL BENEFITS

TESTED. PROVEN. APPROVED.

“In addition to the financial advantages, there have been notable benefits to motorway users who have experienced significantly less disruption than would have been originally forecast.”

John Gardner
General Manager of UK Highways Group
commenting on the M40 preservation

FINANCIAL BENEFITS

Substantial financial benefits are achieved by using Rhinophalt®:

- Adds years to the life of asphalt pavements
- Less resurfacing during the life of the pavement
- Reducing unplanned maintenance interventions to virtually zero
- Shorter times for treatment/maintenance

Early treatment and applications every 4 to 5 years will reduce both the need for resurfacing and the cost of intervention. With preservation being only 10 - 20% the cost of surface reinstatement, savings are clearly identifiable, and whole life cost of ownership can be reduced by as much as 40 - 50%.

OPERATION BENEFITS

Operational benefits are achieved through:

- Less carriageway closures for resurfacing or maintenance
- Rapid treatment time meaning early re-opening for traffic
- Treatment at night during quieter traffic periods or closures

These benefits mean that Rhinophalt® users will enjoy increased availability and reduced disruption.

ENVIRONMENTAL BENEFITS

The Rhinophalt® preservation methodology has been independently proven to generate highly significant environmental benefits when compared to conventional maintenance activities. This is achieved through:

- Significantly lower requirement for raw materials
- Far fewer vehicle movements for maintenance and repair
- Reduction/elimination of replaced waste materials

Recent evaluation has shown a reduction of over 94% in carbon footprint comparing the use of Rhinophalt® to conventional maintenance methods.

“I was impressed with the speed that the process can be undertaken. This helps significantly in terms of reducing traffic management costs and minimising delay to the travelling public.

In terms of the treatment it has been very successful and overall the surface has not changed appearance at either site since the date of installation.”

James Bowman Network Construction Manager
Area 1, A30 St Crowlas Site, Enterprise Mouchel

