



Rhinopatch®, the sustainable method for repairing roads

Benefits

- Permanent and joint-free repair
- 90% reduction in new materials
- 85% reduction in Co2 emissions
- Unparalleled cost effectiveness
- Elimination of all waste
- Maximised operative safety
- Minimised disruption
- Full HAPAS approval

Procurement

ASI tailor the procurement of the Rhinopatch® process to the needs of individual customers in order to ensure that costs are competitive with conventional road repair systems.

Short Term Hire

Ideal for small patching programmes, the customer simply hires the specialist heating equipment and purchases the recycling and preservation materials as required. Cold bagged replacement material eliminates the need to visit an asphalt plant. Training is tailored to requirements.*

Pay As You Patch

For longer hire periods, ASI offers a system where a m² rate is paid for the proprietary materials and the specialist heating equipment is provided free of charge. Consequently, the road patching operation becomes 100% 'hire efficient' by eliminating all associated downtime costs. Cold bagged replacement material is available if required and training is tailored to meet individual needs.*

Capital Purchase

The outright purchase of the Rhinopatch® system will deliver 'best value' to long term customers looking for the lowest cost, sustainable solution. The specialist equipment is sold with an optional maintenance contract and materials are available at a discounted rate. Initial training is free and a specific Regional Supervisor is allocated to the customer for on-going support.*

* All Offers subject to Terms & Conditions



RHINOPATCH



developing surface technology

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**Permanent repairs
for asphalts,
macadams and
surface dressing**



The Problem

Quite simply, conventional methods of addressing road defects are no longer sustainable. They have significant adverse effects on maintenance budgets and public opinion; they cause disruption and there are real environmental issues. Traditional techniques can also harm those undertaking the works - through injuries related to vibrating tools, manual handling and excessive noise.

Potholes continue to be a high profile issue with the media, road users and the general public. With the Local Authority ALARM report calculating an average cost of £56.00 for each pothole repair, the drain on road maintenance funds is growing to an unmanageable level.

Problems are worsened considerably because many defects are never actually fixed properly. They are often addressed on a temporary basis and fail within a short time. Subsequent site visits to the same pothole create on-going road disruption and the repetitive, wasteful use of replacement materials is very damaging to the environment.

Increasing material prices and reducing maintenance budgets are compounding the problem, further highlighting the unsustainability of conventional approaches to road repairs.

The Solution

The first objective in road-mending must be one of sustainability. A 'right first time' repair policy will bring an end to recurring potholes and dramatically reduce reported defects and disruption.

Any alternative to traditional processes must maximise the safety of the workforce, whilst minimising adverse environmental issues and public disturbance. And, of course, it must demonstrate cost savings when compared on a like-for-like basis.

ASI's HAPAS approved road repair process, Rhinopatch®, meets all of these objectives. Rhinopatch®'s unique infrared heating process produces permanent and joint-free repairs, eliminates the potential for HAV's injuries and minimises the dangers of manual handling and excessive noise.

With the complete elimination of waste, and a 90% reduction in the need for new replacement materials, Rhinopatch® is significantly less damaging to the environment than conventional road patching methods. With a comparative 85% reduction in CO₂ emissions, Rhinopatch® provides a substantial tool in the fight against global warming and can significantly help Local Authorities to meet their environmental targets.

Rhinopatch® again ticks all the boxes when it comes to cost. Users of ASI's proprietary process report savings of up to 50% in comparison to their historic costs for traditional road repairs.

Rhinopatch® Step by Step



➤ A typical pothole



➤ 8 to 10 minutes heating time



➤ Working the softened material



➤ Applying Rhinobinder® rejuvenator



➤ Adding cold replacement material



➤ Levelling of materials



➤ Compaction of repair



➤ Applying Rhinophalt® preservative



➤ Skid resistant dressing



➤ Permanent Rhinopatch® repair, completed in only 15 minutes



Equipment Range

RP6 (top left)

With a heating area of 700mm x 800 mm, the RP6 has been specifically designed for the reinstatement of small utility works and minor road defects. Ideal for Utility Companies and Authorities with a 'find and fix' operation, the RP6 provides a versatile addition to the road maintainer's 'toolbox'.



RP12 (top right)

Designed as a permanent solution for potholes, the RP12 covers an area 1000mm x 1100mm and provides 'right-first-time' reinstatements for 'category 1' road defects. Ideal also for addressing surface problems around road gulleys and other ironwork, the RP12 delivers true sustainability for medium sized repairs.



RP36 (bottom left and right)

Known as the 'metre eater', the RP36 is the perfect tool for general, programmed road repair work where speed and outputs are one of the main considerations. Measuring 1200mm x 2500mm (left), the RP36 can be transformed into a 5000mm x 600mm (right) long heater for the repair of trenches and failed joints.

On-board Telemetry

ASI have developed on-board telemetry bringing a whole new range of controls to users of the Rhinopatch® process.

Standard GPS positioning allows for the central control of patching crews and facilitates efficient programming, including the ability to minimise response times for emergency works. Completed repairs can be logged onto daily printouts and made available as evidence against the problem of bogus compensation claims.

Individual heaters can be remotely monitored by ASI's technicians thus optimising performance and servicing needs.

For further details on how this on-board telemetry can be tailored to suit your operation please contact info@asiplc.com.

