



FUTURE PROOFING | SUSTAINABLE SOLUTIONS
REPAIR & PRESERVE ASPHALT & CONCRETE ASSETS



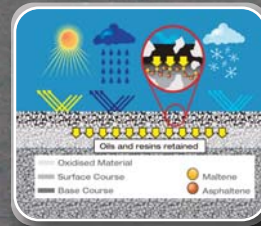
ASI SOLUTIONS PLC | FUTURE PROOFING. REPAIR AND PRESERVE ASPHALT SURFACES

ASI has firsthand knowledge of the challenges faced by airports to maintain these assets including, budget restrictions, limited resources, minimal disruption, staff, customer and fleet safety considerations, customer pressures and timetabling.

It is vital that airport assets are repaired and protected with the right surface treatment that guarantees safety and longevity. Our Rhinopatch pothole and surface defect repair process is delivered with a lifetime guarantee, and our preservation processes are proven to protect asphalt and concrete surfaces for up to 5 years.



Asphalt deterioration



Final Rhinopatch Result

RHINOPHALT | SUSTAINABLE PAVEMENT PRESERVATION TECHNOLOGY



Rhinopatch® can be applied to protect asphalt surfaces such as runways, taxiways, aprons, perimeter tracks, hardstandings, parking areas, airside tracks and access roads from weathering. Rhinopatch is a revolutionary, new, innovative and cost effective solution to the problem of asphalt and macadam deterioration. This unique preservation treatment immediately arrests the ageing process of any bituminous bound surface. Essential oils and resins are sealed into the treated surface which is now preserved against the ingress of water, saline solutions, weathering and oxidation.

This HAPAS approved surface preservation treatment process produces no waste material and results in 94% less carbon emissions than conventional resurfacing techniques. Repeat treatments can be applied every 5 years to perpetually preserve the surface.

Rhinopatch protects the surface from oxidation and water ingress, it does not build up on the surface level, it is a rapid protection process with a quick cure ensuring minimal disruption.



RHINOPATCH | PERMANENT ASPHALT REPAIR



Rhinopatch® is perfect for any asphalt surface repair as it is an infrared process that recycles the asphalt in-situ, which totally eliminates waste and cuts costs by reducing the new material requirement by 90%. It is an incredibly cost effective and fast process which reduces the amount of disruption caused. It is a permanent, right-first-time repair that is joint-free and is provided with a surface life guarantee.

Rhinopatch's simple, quick and unique infrared heating process produces joint-free repairs, eliminates the potential for HAV's injuries and minimises the dangers of manual handling and excessive noise ensuring operator safety is maximised. Additionally, current Rhinopatch users report savings of up to 50% when compared to their costs for traditional repairs.

- Permanent, right-first-time, joint-free
- Unparalleled cost benefits
- 90% reduction in new materials
- 87% reduction in CO₂ emissions
- Elimination of all waste
- Elimination of HAV's injuries
- Minimises airport disruption
- Guaranteed repairs
- Allows night-time working
- HAPAS accredited

The 7 step Rhinopatch process is inexpensive, permanent, simple and effective. ASI offer complete implementation through it's approved deliver partners or full training for in-house crews.

"Rhinopatch has been a success. It was very fast and is great for in-fill, cracks and potholes on a limited budget. If we had used conventional patching methodology we would have only achieved a third of the output compared to Rhinopatch"

CLIFF ANTHONY, CIVILS TEAM MANAGER, BAA GLASGOW.



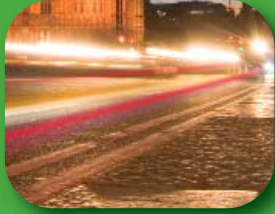
PAVIX CCC100 | PERMANENT PROTECTION FOR CONCRETE AND STONE



ASI also provides a protection process which can be applied to any concrete surface within an airport, Pavix CCC100® is a quick to apply solution that is proven to reduce the effects of freeze/thaw damage and to reduce surface scaling. Pavix CCC100 is resistant to fuel, oil and acid attack, it will not reduce surface friction and cures within 30 minutes. An added bonus is that Pavix CCC100 ensures that treated surfaces stay cleaner. Chem-Crete Pavix CCC100® is an environmentally friendly protection treatment for concrete, stone and all cement-based material.

Pavix CCC100 is a unique and 100% non hazardous protection treatment that offers full and permanent protection in a single application. It is incredibly quick to apply; is non-toxic making it ideal for near and over water as it presents no risk of contamination to marine life, flora or fauna; it permanently protects against all moisture intrusion such as the freeze/thaw cycle, corrosion caused by ion penetration and alkali/silica reactions; is completely safe for operative and site use and prevents buddleia growth.

Pavix CCC100 is water-based, water repelling, non film forming and is resistant to chemicals, caustics, jet fuels and oils.



AIRPORT ASSET MANAGEMENT PROCESSES

Maintaining asphalt and concrete needn't be an expensive, disruptive or time consuming undertaking. Airport assets can be repaired and protected quickly and cost effectively. ASI have the products and processes that repair, preserve and protect, runways, taxiways, aprons, perimeter tracks, hardstandings, parking areas, airside tracks and access roads.

Preserving Asphalt assets on airfields has been an established method of operation in the US for some 15 years with over 20,000,000 m2 having been applied to both military and civil establishments.

ASI is a UK based company which has further developed these asphalt preserving materials and manufactures them within the UK. It delivers its products onto the ground through a number of selected specialist delivery partners who themselves have many years of experience within the Airport, Airfield and Highways markets.

To date ASI has successfully treated over 3,000,000 m2 of asphalt within the UK and the technology is rapidly becoming identified as a strategic and extremely cost effective solution to the management of vital asphalt assets. Coupled with its patented permanent asphalt repair process and its concrete preservation materials ASI can offer organisations solutions which provide viable alternatives to high cost replacement.

SAVE MONEY & TIME, REPAIR AND PRESERVE YOUR CONCRETE & ASPHALT



RHINOWORKS

Rhinoworks is a comprehensive product portfolio for asphalt preservation. Incorporating:



Chem-Crete Pavix CCC100 is a complementary product for the preservation and protection of concrete.

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