

Fast, effective and long lasting protection.

Tel: +44 (0)1565 633111

www.gcpat.com

For over 40 years, Stirling Lloyd's revolutionary highway maintenance and waterproofing solutions have been protecting infrastructure across the world.

GCP Applied Technologies (GCP) acquired Stirling Lloyd in 2017 and together we have a powerful combination of expertise, product innovation and global support.

Our products have been chosen for their class-leading performance, plus ease and safety of application.

All our products are designed to reduce disruption and whole life costs while protecting your assets for the long-term.



SAFETRACK® Highway

Maintenance Solutions.

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate, and is offered for consideration, investigation and verification by the user, but we do not warrant the results to be obtained. Please read all statements, recommendations, and suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation, or suggestion is intended for any use that would infringe any patent, copyright, or other third party right.

GCP Applied Technologies and SAFETRACK are trademarks, which may be registered in the United States and/or other countries, of GCP Applied Technologies Inc. This trademark list has been compiled using available published information as of the publication date and may not accurately reflect current trademark ownership or status. These products may be covered by patents pending.

© Copyright 2018 GCP Applied Technologies Inc. All rights reserved.

GCP Applied Technologies Inc., 62 Whittemore Avenue, Cambridge, MA 02140 USA. In the UK, Ipswich Road, Slough, Berkshire, SL1 4EQ.

BE0172_SL HIGHWAYS-Brochure_0518

Blue360SM
ADVANTAGE

SAFETRACK®

FAST, EFFECTIVE AND LONG-LASTING PROTECTION.

Improving and maintaining our highway infrastructure for the long term.

The focus on asset management, road worker and road user safety is putting extra pressure on councils and agencies. Whether your need is quality high friction surfacing or filling cracks and open joints, whether it's sustainable demarcation on the road surface or prevention of water ingress, all our solutions are highly durable.

Our team are highways experts, we understand the challenges you face and are focused on ensuring we provide the products and services you need to maintain and improve highway assets.

Proven results that last the distance.

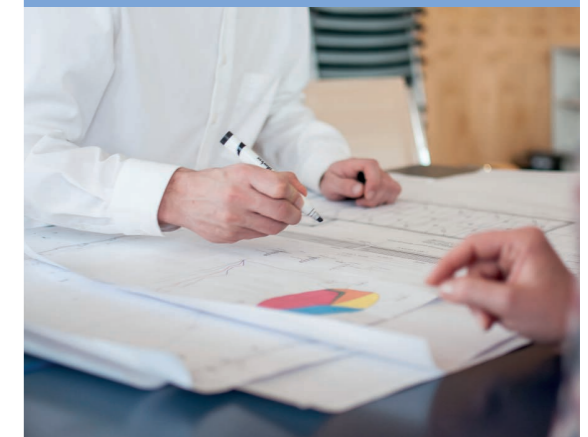
The SAFETRACK® range of high performance road maintenance products deliver proven superior in-situ performance and longer service life.

The SAFETRACK® range comprises innovative solutions for both the maintenance and the enhancement of highway properties during planned maintenance and rapid response situations.

Whatever the project, we will work with you to ensure minimum short-term disruption and maximum long-term results.

Contents

SECTOR SOLUTIONS	PAGE
SURFACING SOLUTIONS	4-5
CRACK & JOINT SEALING SYSTEMS	6-7
CYCLE TRACKS	8-9
UTILITY WORKS REINSTATEMENT	9
PRODUCT SECTOR TABLES	10



WHY CHOOSE SAFETRACK®

- Save time and reduce disruption: The systems are fast curing (30 – 40mins) enabling multiple sites to be completed within a single shift. Our systems can even be applied at low temperatures – extending the highway maintenance season. Not only that but our systems are cold applied, meaning no hot work permits, no hot trades, no expensive specialist equipment and improved road worker safety.
- Long service life – reducing maintenance costs and protecting assets: Proven results across our range of products, with our line marking systems exceeding required standards, even after 7 years' service. Our HAPAS approved high friction surfacing has even been proven to last longer.
- A unique solution with an enviable track record of success: Proprietary resin technology has been developed to be fast and simple to apply and deliver long lasting in-situ performance every time.
- Available in Patch Packs: Patch Packs are an all-in-one solution for small, permanent reinstatement, containing everything required to complete the job.

SAFETRACK® surfacing solutions for highway maintenance.

Keeping traffic moving, reducing disruption and improving road worker safety have all been central to the development of our SAFETRACK® range of Highway Maintenance products for surfacing solutions.

Our solutions support the on going focus on asset management, delivering proven long term performance and protection.

Keeping traffic moving with fast, safe application and long lasting results.

SAFETRACK® HW High Friction Surfacing.

SAFETRACK® HW is HAPAS approved and designed to provide greater safety for all classes of roads in a wide variety of situations. The system consists of a unique resin binder with aggregate over scatter and is proven to last well beyond other systems.

The use of high friction surfacing is one of the most cost effective safety measures available, and recommended for use in high risk areas such as deceleration approach areas, accident remedial schemes, Pedestrian Crossings, Traffic Segregation, Traffic calming / Gateways, Bus & Cycle lanes.



SAFETRACK® HW

High Friction Surfacing:
High friction surfacing, available in a range of colours and skid resistances. Achieves a 'zero erosion index' providing the highest rating for wear resistance.

SAFETRACK® LM

Line Marking System:
Exceptionally hard-wearing and cost-effective, cold-applied line marking system offering long-term durability and colour stability.

SAFETRACK® SC

Slip-resistant Coloured Surfacing:
Slip-resistant coloured surfacing system in a range of vibrant colours to provide highly visible surface demarcation.

WHY CHOOSE SAFETRACK® HW

- Best in class performance with the highest rating for wear resistance.
- Cold applied for improved safety and all year round application, sets in temperatures as low as -5°C
- Available in a range of colours – resin binder pigmentation and colour coated aggregates
- Strong bond to a range of substrates & surfaces including concrete, stone and manhole and inspection covers helping hide these effectively and maintain an equal level of skid resistance throughout the site
- Suitable for new resurfaced sites working within existing traffic management and suitable for existing sites
- Conforms to Clause 924 of the UK Specification for Highway Works
- Also available in a 2m² Patch Pack for small repairs associated with road reinstatement

SAFETRACK® LM Line Marking.

Exceptionally hardwearing and cost-effective, SAFETRACK® LM is a cold applied line marking system that offers long-term durability and colour stability.

The system cures rapidly, can be applied all year round and lasts 5 times longer than most traditional linings, reducing maintenance and disruption.

We also offer SAFETRACK® LM Retromax which is a solid road marking system incorporating reflective glass beads for added retro-reflectivity.



WHY CHOOSE SAFETRACK® LM

- Improved safety with higher retro reflectivity values and longer life
- Strong bond to a wide range of substrates including concrete, block paving, stone and asphalt
- BSI certified for use on the Highways Network
- Available in bulk and patch packs to suit your needs
- A range of colours, all offering long term colour stability

For our full colour range please visit www.gcpat.com or email us at StirlingLloyd.Info@gcpat.com



Please note these are for display purposes only and are not an exact representation.

SAFETRACK® SC Coloured Surfacing.

Where a lower level of skid resistance combined with visible surface demarcation is required, SAFETRACK® SC provides the perfect long lasting system and is supplied in a range of vibrant colours.

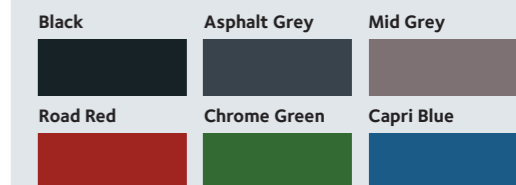
An ideal coating for a wide variety of car parking, segregated cycle lanes and pedestrian areas. The system has achieved a 'zero erosion index', providing a much higher level of performance for this type of application.



WHY CHOOSE SAFETRACK® SC

- Cold applied system for fast effective demarcation
- Fast return to service, avoiding unnecessary disruption
- Superior wear resistance for long lasting results and reduced maintenance costs
- Long term fade resistance and UV stability
- Extensive colour range and colour matching available to order

For our full colour range please visit www.gcpat.com or email us at StirlingLloyd.Info@gcpat.com


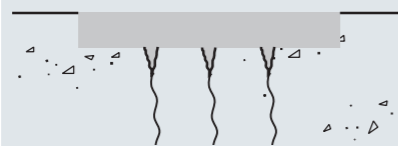

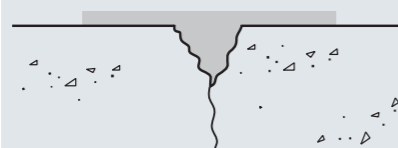


Please note these are for display purposes only and are not an exact representation.

Our crack & joint sealing systems for highway maintenance.

Since 2003 the HAPAS certification has recognised four types of crack repair systems.

Our full range of Crack and Joint sealing systems ensure we have a highly durable, long lasting solution whatever the job.

<p>INLAID SINGLE CRACK</p>  <p>Inlaid Single Crack Excavation of a single crack with material filling the area.</p>	<p>INLAID MULTIPLE CRACK</p>  <p>Inlaid Multiple Crack Excavation of multiple cracks with material filling the area.</p>
<p>OVERBAND</p>  <p>(Cracks / joints less than 5mm wide with a max band of 40mm) Stirling Lloyd are the only company to have approval in this category.</p>	<p>FILL AND OVERBAND</p>  <p>(Cracks / joints up to 40mm wide with a max Band of 200mm.</p>

SAFETRACK® Crack Infill

A cold applied fast curing system for long term repair of open or fretted joints in asphalt roads.

Ideal for the infill and sealing of open joints, seams and cracks in asphalt road surfaces. Designed to stop deterioration and extend the life of the road surface.



SAFETRACK® CRACK INFILL APPLICATION

<p>SAFETRACK® CRACK INFILL</p> <p>Cracks and fretted joint infill systems to prevent water ingress.</p>
<p>SAFETRACK® EPM</p> <p>Fast, effective levelling and repair mortars for defective concrete, stone and some asphalt surfaces.</p>
<p>SAFETRACK® OVERBANDING</p> <p>Crack and seam overbanding system, with a non-reflective finish retaining long-term skid resistance.</p>
<p>SAFETRACK® INLAID ROAD REPAIR</p> <p>Sealing system for reinstatement of cracks and slots in road surfaces.</p>

The four systems recognised offer in-situ performance and are HAPAS approved.

WHY CHOOSE SAFETRACK® CRACK INFILL

- Minimal preparation, no planning out and easy to apply
- Fast curing enables 30 minute return to service reducing disruption
- Bulk and patch packs available
- Anti-reflective
- Seals roads safely with high wear resistance,
- retaining long term skid resistance



SAFETRACK® EPM APPLICATION

SAFETRACK® EPM

A self-compacting rapid repair system, for the permanent repair of asphalt and concrete road surfaces, for all classes of roads. Ideal for repair of damaged road surface, from 2mm to 30mm depth, with minimal preparation. Suitable for all road classes including motorways.

WHY CHOOSE SAFETRACK® EPM

- Rapid, permanent repair to asphalt and concrete road surfaces
- Rapid return of the network to service (less than 1 hour at any time of the year)
- Year round application – even at 0°C
- No cutting out or compaction required
- Durability, retains skid resistance
- Simple and economical to apply



SAFETRACK® INLAID ROAD REPAIR APPLICATION

SAFETRACK® Inlaid Road Repair

An asphalt road repair system for the reinstatement of cracks, joints and slots in road surfaces. It has been developed specifically to minimise road closures and traffic management costs and can be installed across a wide temperature range, including below freezing.

WHY CHOOSE SAFETRACK® INLAID ROAD REPAIR

- For road/rail interface for light rail/ tram projects
- Resists deformation and rutting under traffic load
- Compatible with a wide range of surface dressings
- Width of repair can be varied to suit application
- Extends the life of the asphalt
- Simple and economical to apply
- Excellent retention of skid resistance



SAFETRACK® OVERBANDING APPLICATION

SAFETRACK® Overbanding

A versatile and robust solution designed for overbanding of cracks in asphalt and concrete substrates and cracks between reinstatement materials and the existing road. Ideally suited for the sealing and infilling of fretted joints and asphalt pavements.

WHY CHOOSE SAFETRACK® OVERBANDING

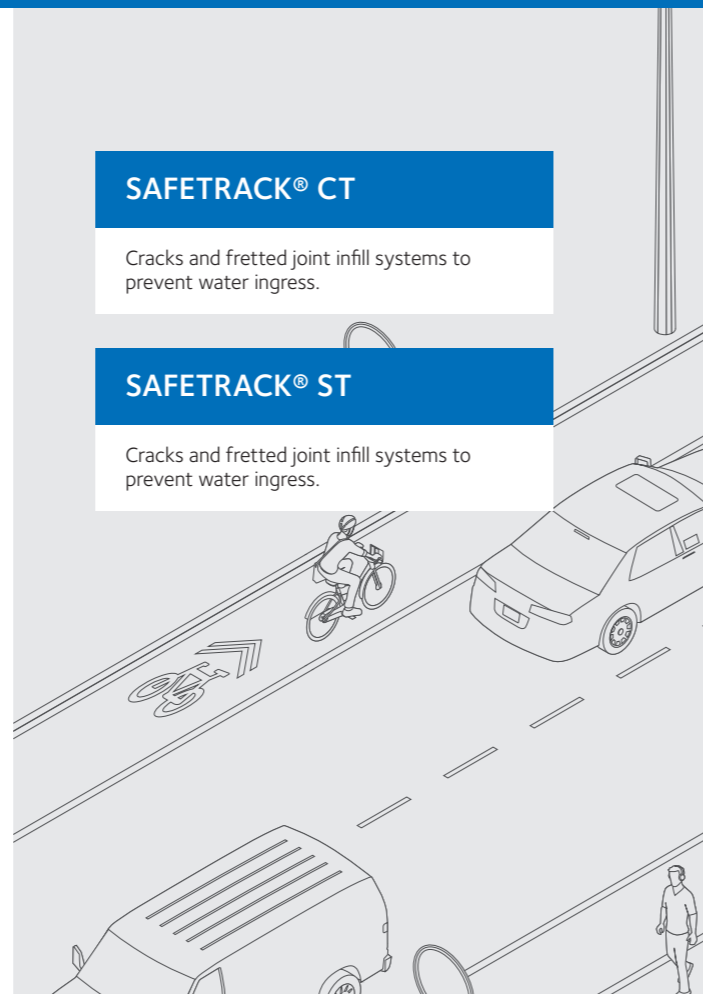
- The only system available to offer a high skid resistance throughout its working life
- Exceptional resistance to wear, withstanding the insistent abrasion caused by high volume traffic
- Resistant to most common chemicals, fuels and oils
- Width can be varied to suit application
- Extends the life of asphalt
- Non-reflective finish for safety
- Simple and economical to apply

Effective and long-lasting cycle track solutions.

Growth in the global popularity of cycling is putting extra pressure on councils and agencies to develop and maintain new and existing infrastructure. Proper maintenance is essential if a cycle route is to remain attractive and above all safe to users.

We have worked together with TFL, TRL and Jacobs, ensuring our cycle track solutions are optimised for the specific projects ensuring the appropriate durability, skid and slip resistance and colour demarcation to deliver safe, long lasting and attractive cycle routes.

Our solutions have a long history of success in cycle track schemes across the country.



SAFETRACK® SC & CT Cycle Track Surfacing.

Our cycle track surfacing solutions offer colour demarcation and a high skid resistant surface, while providing long lasting results. SAFETRACK® CT and SAFETRACK® SC work together to provide the appropriate skid resistance, wearing surface and colour demarcation.



WHY CHOOSE SAFETRACK® SC & CT

- Cold applied system for fast effective demarcation
- Fast return to service, avoiding unnecessary disruption
- Superior wear resistance for long lasting results and reduced maintenance cost
- Long term UV colour stability
- Colour matching available to order

For our full colour range please visit www.gcpat.com or email us at StirlingLloyd.Info@gcpat.com

Black	Asphalt Grey	Mid Grey
Road Red	Chrome Green	Capri Blue

Please note these are for display purposes only and are not an exact representation.

MAJOR PROJECTS

Leeds-Bradford Cycle Superhighway

As part of the City Connect scheme GCP supplied 9,600m² of SAFETRACK® SC and HW to encourage more people to cycle as part of everyday journeys. One of the major considerations was junctions, ensuring clear demarcation for not only cyclists, but pedestrians and drivers, creating safer roads.

Salford Cycle Route

2,000m² of coloured surfacing was chosen as part of the Cycle City Ambition Grant, which awarded to Greater Manchester to improve the city's vision for a healthy, safer, sustainable city region where people want to live and work, making cycling an everyday form of transport.



SAFETRACK® for reinstatement and post utility works.

Utility work on highways is unavoidable, but openings made, create weak points prone to pot-holing. If left, there is a high risk of further degradation and the requirement for more extensive repair. GCP's SAFETRACK® range provides the perfect solution to complete reinstatement work in accordance with SROH (Specification for the Reinstatement of Openings in Highways).

Permit Schemes, now being embedded across the UK, make it increasingly important for utility companies to use their road space booking effectively. Current practice is to make a second booking to complete specialist applications and repair, adding cost, time and disruption.

SAFETRACK® Overbanding, Lining, High Friction and Coloured surfacing all offer fast, convenient, long lasting and cost effective solutions, removing the requirement for a second booking. All SAFETRACK® products are fully compatible with each other, meaning any missing demarcation, anti-skid and overband can be completed in one go – saving the need for costly return visits.



HIGHWAY REINSTATEMENT WORKS

Fast, effective and long-lasting highway reinstatement.

CONVENIENT PATCH PACKS IDEAL FOR REINSTATEMENT OF SMALL AREAS

Patch Packs are an all-in-one solution for small, first time reinstatement. All SAFETRACK® products are fully compatible with each other, meaning any missing demarcation, anti-skid and overband can be completed in one go – saving the need for costly return visits.

Unique advanced technology with an enviable track record of success

- An all-in-one solution – contains everything required for reinstatement.
- Convenient – can be stored in an operatives van and requires no expensive equipment to apply.
- Avoids costly return visits.
- Available nationwide, same day collection or next day delivery via specialist national distributor.

Whatever your needs or sector, we have a solution.

Our SAFETRACK® products are suitable for both repair and maintenance, as well as large scale renovation and new build projects.

PRODUCTS	SURFACING	CRACK & JOINT	CYCLE TRACKS	UTILITIES
SAFETRACK® HW	●		●	●
SAFETRACK® LM	●		●	
SAFETRACK® SC	●		●	●
SAFETRACK® CT	●		●	●
SAFETRACK® OVERBANDING		●	●	
SAFETRACK® EPM		●	●	
SAFETRACK® CRACK INFILL		●	●	

High adhesion values to a wide range of substrates.

All of our solutions use GCP's advanced resin technology which promotes high adhesion values. These values ensure long-lasting protection and results, giving you peace of mind.

SUBSTRATE	ADHESION VALUE
ASPHALT	0.5 MPa
CONCRETE	>1.0 MPa
GRANITE	>3.0 MPa
PORPHYRY	>3.0 MPa
SANDSTONE	2.8 MPa
SLATE	>1.25 MPa
STEEL	>5.5 MPa

We are inspired to influence the way the world is built.

For more information, please contact www.gcpat.com