



Airfields // Highways // Off-Highways // Civils & Maintenance

# HIGHWAYS & ROADS

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Innovative Solutions for Airfields, Highways  
and Off-Highways Infrastructure



Safely Marking  
The Way Ahead  
[jointline.co.uk](http://jointline.co.uk)



Every client and project is unique. We work with each client to tailor the broad range of line marking, civils and surface preparation services that we offer to deliver the best solution for the programme of works.

# Working safely on Britain's busiest roads

In our 30-year history, we have built up a broad and deep knowledge base and are renowned for our expertise and market-leading project delivery. This is why we are trusted by public sector organisations and the biggest names in commercial construction across the UK and the rest of the world.

As one of the country's leading independent line marking companies, we are able to offer a variety of services, ranging from highways maintenance, car parks, anti-skid, airfield markings, grooving and various methods of line removal. Our in-house fleet of vehicles includes thermoplastic lorries, paint machines, mobile marking vehicles, grooving machines and high-pressure water (hydroblasting) services.

With branches throughout the UK Jointline are able to provide nationwide coverage to the highest industry standards. With all operatives holding CSCS cards and being NVQ qualified, our customers are assured of the best possible attention and results in a variety of materials.





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# THERMOPLASTIC LINE MARKING

Jointline are experts in the field of Thermoplastic Line Marking and are fully approved to Highways Sector Scheme 7.

Thermoplastic Line Marking involves the heating of raw thermoplastic binder with the desired colour pigment until it becomes liquified and able to be shaped onto the surface in either line or symbol form. Ballotini (glass beads) can be applied to the markings to enhance the retro-reflectivity, so they can easily be seen at night through reflection from car head lights; this also can assist in the antislip nature of the product.

Thermoplastic is available in various colours, levels of luminance, skid resistance and reflectivity. Hot applied thermoplastic line markings are extremely durable and long lasting; they are the UK's preferred road marking material.

Some of the ways in which thermoplastic line marking can be applied are:

> **Screed Application:**

The screed application is achieved by pouring the thermoplastic material through a heated screed mould or 'line marking pram' shoe. By selecting different sized moulds or shoe, the material can be applied at different widths to suit. Screed application is typically tailored to low output usage, such as hand applied items such as pedestrian crossings, arrows and lettering or to areas where the bigger truck mounted application is not practical.

> **Extrusion Application:**

The Extrusion application uses our purpose built, self propelled vehicles and highly trained staff to apply hot thermoplastic through a gate opening. This produces a consistent line of pre-determined width and depth onto the prepared road surface. Glass beads, which create a reflective quality, are automatically applied in this one-pass process. The Extrusion Marking system is perfect for high output application such as on major roadways and for traffic lane delineation.

> **Raised Rib Line Marking:**

Our Extrusion System can also be used to apply rib line markings. Rib line markings have a textured surface which creates an auditory and sensory effect when driven over. The textured surfaces are created by applying a 'shuttering' technique to the line as it is applied which creates the textured finish to the surface. Raised rib lines are perfect for hard shoulder marking or for delineating road edges such as central reservations. The auditory and sensory effects alert the driver to the fact that they are at the road edge and are an important safety feature of major roads.









# PAINTED SYSTEMS

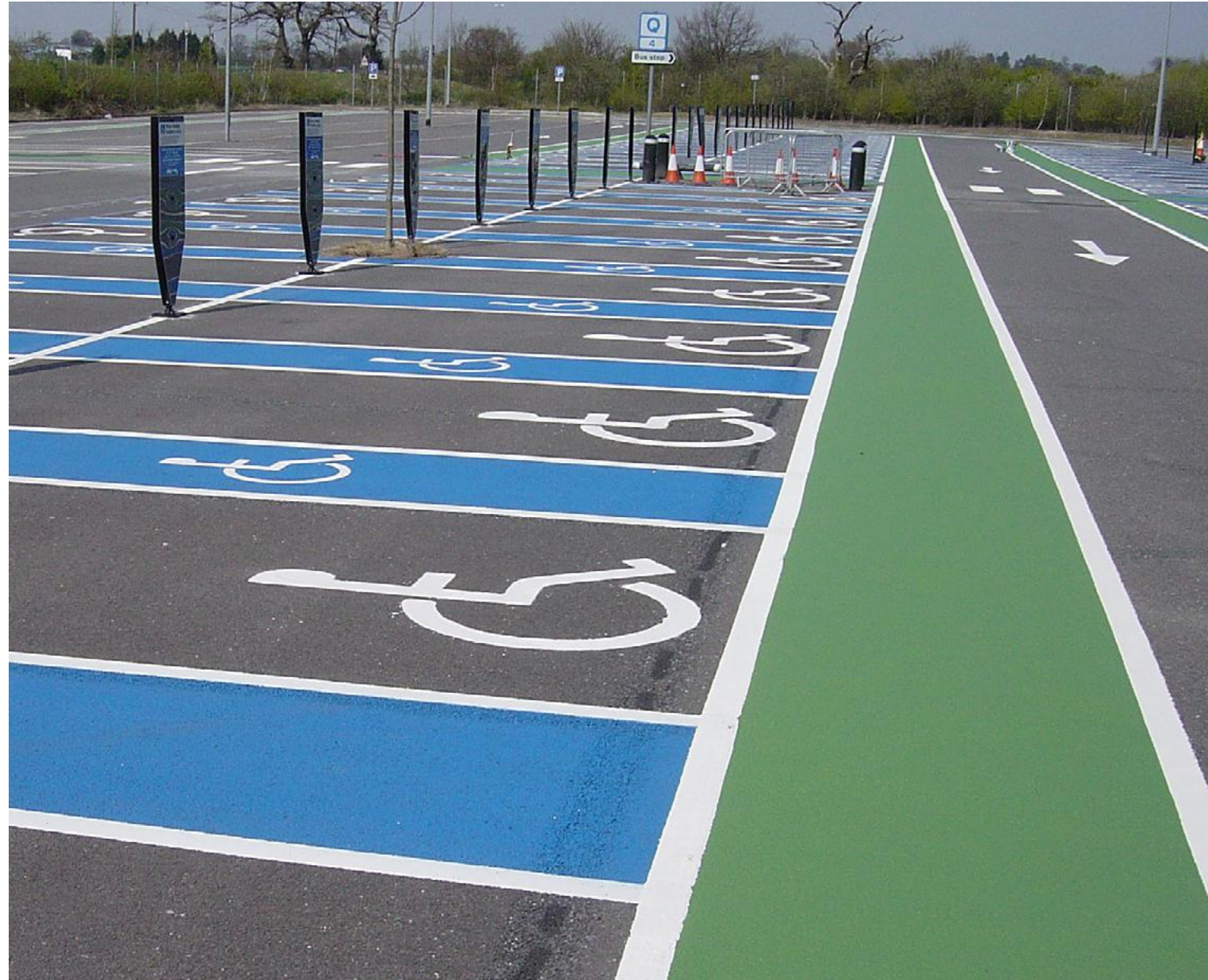
Jointline has the extensive knowledge to deliver the best solution for your needs.

We have several types of painted systems which can be applied to create line markings. We decide with our client the best paint system to use taking budget, place of application and desired longevity into account. Our paint systems are often applied using specialist spray equipment or by traditional mask and roll techniques.

- > **Epoxy Paint and Chlorinated Rubber Paint:**  
Epoxy Paint and Chlorinated rubber paint can both be spray or hand applied. They are both relatively quick curing, can be applied in various colours and onto a range of surfaces. Both systems are ideal for use in car parks, factory floors, school playgrounds and for indoor and outdoor sports surfaces.
- > **MMA (Methyl Methacrylate) Line Markings:**  
MMA is a 2 part cold applied resin. MMA cures very quickly so the site can return to normal service very quickly after application. It is an extremely durable product and as such is ideal for use in very high stress locations where extreme wear is expected such as roundabouts, junctions, zebra crossings and roads with very heavy traffic. It can be applied by hand or machine.
- > **Two Pack Epoxy Line Markings:**  
A two component product consisting of one part epoxy resin and one part polyamine hardener which are mixed, along with desired pigment prior to application. Because of the resin content 2 pack epoxy is extremely hard wearing and can withstand harsh chemical spills. As a result two pack epoxy paint is suitable for use where heavy traffic will occur such as garages, loading bays, MOT stations, industrial factories, warehouses, car parks, and playgrounds.
- > **Anti-Slip Paint Systems:**  
Depending on the setting of your job you can increase the safety for its users by mixing aggregate into the paint when line marking to create an Anti-Slip paint system. This serves to create a rough surface finish to the line and increases the anti-slip characteristics of the paint. This is particularly useful in settings with heavy pedestrian footfall and also on ramped surfaces in car parks or other industrial and retail settings to increase the grip of the surface for forklifts or other vehicles.
- > **Water Based Systems:**  
We use water based acrylic line marking paint for school playgrounds and indoor/outdoor sports courts. It penetrates deeply into the substrate creating a virtually seamless finish and can withstand intense wear. It is relatively fast drying, low odour and is available in a range of colours.









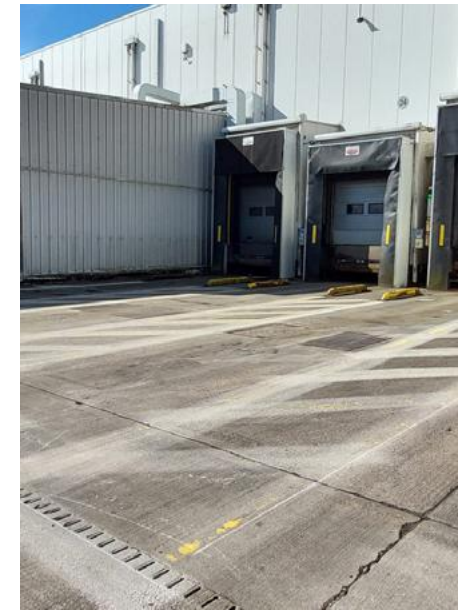
A full-page background image showing a worker in a high-visibility green suit and helmet operating a steam cleaning machine at night. The machine is emitting a large plume of white steam. In the background, a yellow van with "JOINTLINE" written on its side is parked. The scene is illuminated by streetlights and the machine's own lights.

# LINE MARKING REMOVAL

Jointline has the capability to meet your specific removal requirements.







Thermoplastic Line Marking involves the heating. It is often essential that existing line markings are removed in their entirety before embarking on a new line marking scheme. Not only will poorly removed line markings look messy, they also pose a serious risk to health and safety and may contravene H&S regulations if they are in any way still visible.

So whether you need to change the layout of a warehouse, car park or major road way; are looking to change the line marking material used on your scheme, or you need to eliminate damaged markings, we will work with you and your budget to ensure that all old line markings are removed safely and efficiently.

At Jointline we employ four permanent methods of line marking removal:

- > **Hydroblasting:**  
The Hydroblasting process uses high pressure water jets to quickly and efficiently remove line markings. This process leaves virtually no damage to the surface from which the line has been removed, reducing the need for patching up and associated costs prior to re-lining or preventing the faster decline of the integrity of the surface. Because hydroblasting uses only water jets there is no environmental impact from this method of line removal.
- > **Thermal Lance:**  
The process of line removal using a thermal lance uses a high temperature lance to burn off the line markings. This is a traditional and cost effective method of line removal.

- > **Shot Blasting:**  
Shot blasting involves firing highly pressurised steel shot at the line to remove it from the surface whilst leaving virtually no damage. Our shot-blasting machinery not only has a low environmental impact, but also incorporates a self-recovering vacuum system ensuring all dust and shot debris is collected during the process. As well as being quick and efficient, shot blasting is a dry process so allows for re-lining straight away. This process can double up as surface preparation for any new surface materials required.
- > **Scabbling:**  
Scabbling is particularly effective at line removal on concrete surfaces and works by planing off the existing line. This is ideal for small areas where larger equipment either cannot reach or are not cost effective.



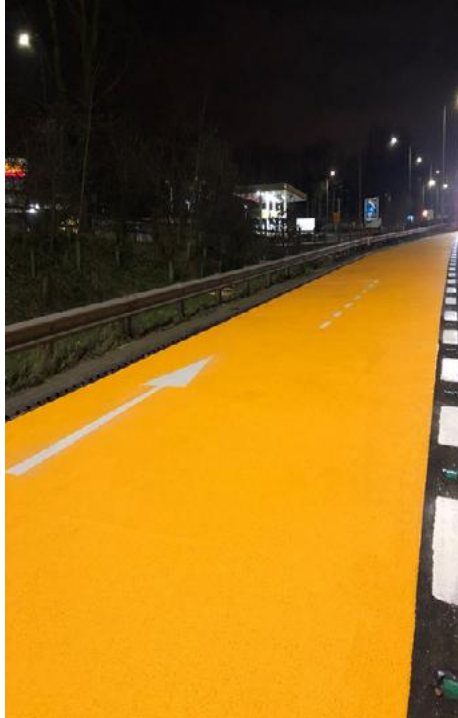


A photograph of a winding road with high friction surfacing. The road is a light brown color with white lane markings. It curves through a landscape with trees and a guardrail. The text "HIGH FRICTION SURFACING" is overlaid in large white letters. Below it, a smaller line of text reads "Jointline has a range of high friction surfacing technologies to deliver on safety." A yellow and black striped warning sign is visible on the left side of the road.

# HIGH FRICTION SURFACING

Jointline has a range of high friction surfacing technologies to deliver on safety.





High friction surfacing (or Antiskid) involves the application of high-quality aggregate to the surface using a binder to increase surface friction. The higher the friction the more it helps motorists to stay in control of their vehicles, reduces stopping distances and prevents pedestrians and employees from slipping. It is used for traffic calming, emergency refuge areas, bus or cycle lane demarcation, on roundabout approaches, on ramped areas and at pedestrian crossings.

Jointline Limited are BBA HAPAS approved and have a wealth of experience in the application of high friction surfacing. Along with being an approved installer of High Friction Surfacing for National Highways we work for clients such as local authorities, tier one contractors and a number of MAC agents on their anti skid requirements.



We are able to carry out hot applied thermoplastic and cold applied epoxy high friction surfacing depending on client or locality requirements. In addition to proprietary carriageway surfacing using type 1 and type 2 materials, we are also able to offer decorative anti skid works in a variety of applications.

#### > **Hot applied Thermoplastic Antiskid:**

Our hot screed applied thermoplastic high friction surface treatment consists of a coloured polymer modified thermoplastic resin incorporating high PSV aggregates and mineral extender.

A range of colours and PSV scored aggregates can be used to match your particular job's specifications. The advantage of a thermoplastic

(hot applied) system is that they are less weather sensitive and can be applied outside all year round on both new and worn surfaces.

The Hot Applied Thermoplastic Antiskid system is fast drying and the area can be back in use only 20 minutes after application. It is particularly suitable for use on asphalt/tarmac but can be used on concrete with some surface preparation.

#### > **Cold applied Epoxy Antiskid:**

Our cold applied Epoxy antiskid/high friction surfacing system combines an epoxy resin combined with calcined bauxite to form a hard-wearing and high performance anti-skid road dressing. The cold applied epoxy system is very resistant to oils and solvent spillages and is suitable for use on traffic junctions, roundabouts, feeder lanes and pedestrian crossings.

#### > **MMA High Friction Surfacing:**

MMA (Methyl Methacrylate) is a 2 part cold applied resin and when combined with appropriate aggregate is a durable high friction surface solution. MMA cures very quickly. The area where it has been applied can be back in operation within only an hour, reducing disruption for regular users of the road or path. MMA High friction surfacing has excellent UV, road salt and chemical resistance increasing the durability of the treated surface.



# STUDDING AND STUD REMOVAL

Jointline has the extensive knowledge to deliver the best solution for your needs.

We install a wide range of road studs, including permanent Cat's Eye-style studs such as Halifax or glass armour studs (180/360). We also provide surface-bonded studs for temporary applications, including marking temporary carriageways in roadworks or delineating pedestrian crossings.

- > **Permanent Milled Studs:**  
Jointline have dedicated vehicles for effective and fast one pass stud installation. We install the Halifax style traditional milled road stud as well as the Glass Armour 180 or 360 stud. Both carry the S1 and R1 road trial classification of BS EN 1463.

Our vehicles will lower a milling machine to rout out the surface area for stud installation. The stud is dropped into the routed hole. The stud is then pitched

into place. Traffic can use the road again once the pitch is sufficiently cured.

- > **Surface Bonded Studs:**  
If your stud application is a temporary requirement for carrying out lane narrowing or installation of a contraflow system whilst larger works are carried out, Jointline can help you. We are experienced in the application of temporary surface bonded studs to ensure that traffic continues to move safely and efficiently.

- > **Pedestrian Delineation Road Studs:**  
This type of stud is usually non-reflective and is used to mark out a pedestrian crossing area. Pedestrian crossing studs can be either stainless steel or aluminium. They can be available as a round or square

top profile in aluminium or stainless steel. All crossing road studs are built to resist any twisting movements by having a shank for anchoring into the road surface.

- > **Road Stud Removal:**  
At Jointline we also carry out road stud removal. The existing road stud is jack hammered out of the road surface and the resulting hole is back filled with asphalt.





# OVERBANDING

Jointline can protect your surfaces with our HAPAS approved materials.



Overbanding is a process used to seal cracks in a road or surface which may be:

- Spontaneous from wear and tear and require repair; or
- Where works have been carried out and the joint between the old surface and new surface need sealing

Overbanding these cracks is vital and serves to prevent damage and surface fretting from water, dirt or spillage penetration. Overbanding effectively seals the joint and overlaps the two sides of the join up to 200mm. This ensures that nothing can get into the crack and further degrade the surface.

Overbanding these cracks is vital and serves to prevent:

1. Using hot applied Bituminous material to seal and overband the crack
2. Using cold applied resins

The method chosen will depend on the project characteristics; the type of materials either side of the crack to be overbanded and how the surface is used i.e. Car park versus airport fuelling area.

Jointline take health & safety very seriously and both of their overbanding methods are HAPAS approved, with high skid resistance values necessary to conform to requirements. This helps prevent any road users from slipping or skidding on the overbanded area particularly in wet conditions.







# SURFACE GROOVING

Grooving has become the proven, most cost effective way to increase the co-efficient of friction in the wet.

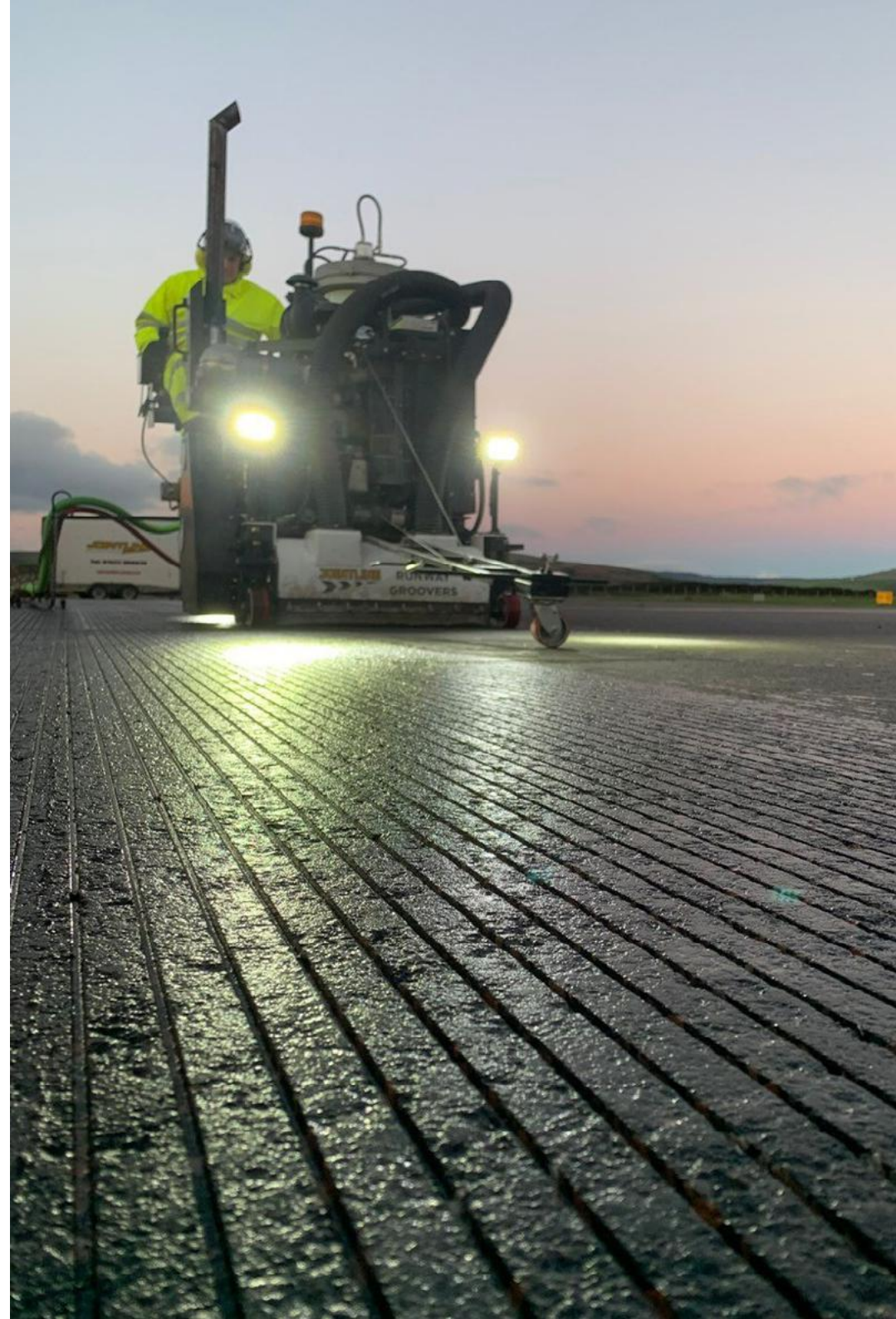


Highway grooving is an effective method for increasing surface friction by improving water drainage on wet roads. Jointline has extensive experience in the installation of anti-skid grooving on asphalt and concrete surfaces across the UK and internationally. This technique is widely used on highways, bridges, and other trafficked areas to enhance grip and reduce the risk of skidding, particularly in wet conditions.

The process involves precision saw-cutting horizontal grooves into the road surface. These grooves facilitate quicker water dispersion, increasing friction and reducing the likelihood of aquaplaning. As a proven and cost-effective method, grooving significantly improves vehicle traction, helping to enhance road safety in adverse weather conditions.

Jointline utilises an extensive fleet of specialist grooving equipment, which accurately cuts grooves to the required depth, spacing, and pitch while simultaneously vacuuming debris. Each project is assessed individually to determine the optimal groove configuration for maximum water dissipation and performance.

Our skilled operatives, all of whom have the necessary expertise and experience, carry out these works to the highest safety and quality standards.





# JOINT SEALING

Where you have new or existing construction joints in road surfaces made from asphalt or concrete it is necessary to fill and seal them appropriately.

Joint Sealing not only allows the surface to tolerate expansion and contraction but also protects the joint from water damage, prevents the joint from failing due to other surface applications such as de-icer or from surface spillages.

Jointline provide joint sealing in a variety of ways:

- > **Hot Applied N1 and N2 Sealants:**  
Hot applied N1 and N2 sealants are used to maintain and repair joints in concrete or asphalt surfaces and are particularly used on highways, airfields and car parks. These hot applied sealants are fully BS EN14188-1 compliant. They have excellent expansion and contraction qualities and are effective at preventing damage resulting from water and dirt. These joint sealants can be quickly and simply applied at any time of year and cure quickly, helping to minimise disruption to traffic or users of the area to be treated.
- > **Cold Applied Fuel Resistant Joint Sealants:**  
If the area to be treated has a high likelihood of fuel spillages i.e. Oil terminals, garage forecourts, parking and cargo areas then we would apply a fuel resistant sealant using a cold application method. As with the N1 and N2 sealants the contraction and expansion properties provide joint protection from water, dirt and more importantly kerosene, petrol and aircraft fuel.

As well as simply sealing joints Jointline have specialist saw cutting equipment to:

- Create joints in new/green concrete to enable the surface to deal with expansion and contraction
- Chase out or existing concrete cracks before sealing them or overbanding them
- Reform existing joints to effectively reapply sealant.









# HYDROBLASTING SERVICES

## Precision Removal, Maximum Efficiency

Jointline's Hydroblasting Services deliver high-performance surface preparation, retexturising and marking removal using advanced high-pressure water jetting technology.

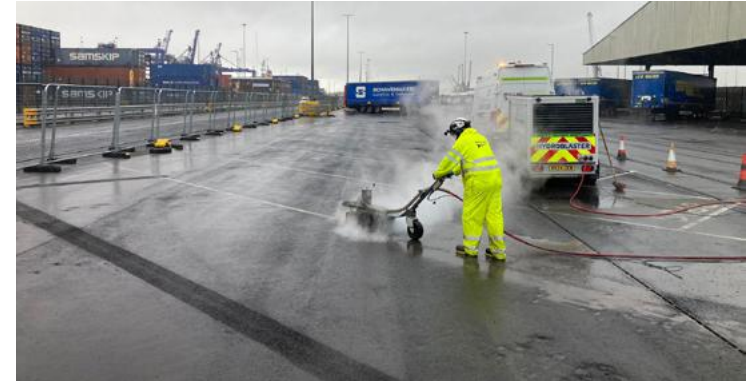
This eco-friendly method effectively removes thermoplastic road markings, paint, rubber deposits, graffiti, chewing gum, and surface contaminants without causing damage to the underlying substrate.

Ideal for highways, airfields, car parks, industrial sites and public areas, hydroblasting ensures a clean, residue-free surface with minimal disruption.

> **Key Benefits of Hydroblasting:**

- **Surface Preservation:** Non-abrasive technique prevents substrate damage.
- **Eco-Friendly:** Uses pure water, eliminating harmful chemicals.
- **Rapid & Efficient:** Removes markings, dirt, graffiti, and chewing gum in a single pass.
- **Fuel Spillage Clean-Up:** Effectively removes hazardous fuel residues, improving safety.
- **Minimal Disruption:** Fast-drying process allows for quick reopening of areas.
- **Versatile Application:** Suitable for roads, airfields, public spaces, and industrial surfaces.

With a dedicated fleet of state-of-the-art hydroblasting equipment, Jointline ensures precision removal with maximum efficiency, reducing downtime and maintaining the integrity of your surfaces.





# JET DRYING SOLUTIONS

Rapid Drying,  
Uninterrupted Performance



Jointline's Jet Drying Solutions provide an advanced, high-speed method for surface drying and preparation across a range of applications, including road marking, waterproofing, crack sealing, and maintenance. Our powerful jet dryers remove moisture, debris, and ice from surfaces, ensuring optimal adhesion and improved efficiency in all weather conditions.

Ideal for highways, airfields, car parks, and industrial sites, jet drying ensures a dry surface with minimal disruption.

> *Key Benefits of Jet Drying:*

- **All-Weather Performance:** Effective in wet and cold conditions.
- **Faster Project Turnaround:** Accelerates drying times, reducing delays.
- **Enhanced Adhesion:** Ensures optimal bonding of paints, tapes, and coatings.
- **Multi-Surface Use:** Ideal for roads, paths, and hard-standing areas.
- **Minimised Disruption:** Keeps critical infrastructure operational.



# POT HOLE REPAIR

Stronger Roads,  
Smoother Journeys.

Potholes pose a serious risk to road users, causing vehicle damage and safety hazards. Our expert teams use industry-leading materials and techniques to deliver seamless, long-lasting repairs that withstand heavy traffic and harsh weather conditions.

> **Our Repair Methods Include:**

- **Hot & Cold Lay Asphalt:** Suitable for all road types, ensuring a strong, durable finish.
- **Thermal Road Repairs:** An eco-friendly method that bonds seamlessly to existing surfaces.
- **Resin-Based Solutions:** High-strength, rapid-curing materials for quick turnarounds.

> **Key Benefits:**

- **Fast Turnaround:** Efficient repairs with minimal downtime.
- **Durable & Weather-Resistant:** Long-lasting solutions designed to withstand traffic and climate variations.
- **Seamless Integration:** Repairs blend with existing surfaces to maintain road integrity.
- **Cost-Effective:** Preventative maintenance reduces long-term repair costs.

From local roads to major highways, Jointline provides expert pothole repair services that prioritise safety, efficiency, and long-term performance.





# UTILITY RESINSTATEMENT

Jointline operate nationally,  
by undertaking specialist  
surfacing reinstatement  
works for Utility contractors.



Utility Reinstatement contracts require our teams to source and install the correct materials to match the existing surfaces to carriageway, footway or domestic applications. Predominantly in city or centre public realm areas the work includes excavating the temporary surface and then reinstate the specialist products to match the existing surface.

Jointline work effectively to cause minimum disruption and progress smoothly and cost effectively.

Due to the many constraints required, when working close to utility assets, specialist tools and bespoke teams are trained and used. Our competent and experienced site teams reinstate the required surfacing to the client's specification.

> ***Benefits of using Jointline Specialist Surfacing Utility reinstatements:***

- Jointline source all specified materials or provide closest equivalent material.
- Cost effective
- Trained workforce
- Minimal disruption

> ***Ideal for:***

- City centre or public realm areas
- Commercial & Residential Driveways
- Footpaths
- Decorative Areas
- Cycle Lanes
- Playgrounds
- Driveways
- Private Estates





# QUALITY, SAFETY, HEALTH & ENVIRONMENT

Jointline places paramount importance on Quality, Safety, Health, and Environment (QSHE) across all operations. Our QSHE policies are designed to ensure that every project is executed with the highest standards of safety and environmental stewardship.

We are committed to:

> **Quality:**

Adhering to industry best practices and standards, ensuring that our projects meet or exceed client expectations. Our certifications and accreditations, including BBA and ISO standards, reflect our dedication to maintaining excellence.

> **Safety:**

Promoting a safety-led culture where all employees are empowered to check, challenge, and change unsafe practices. Our safety protocols are designed to protect the public or those local to our schemes as well as our own workforce, ensuring a secure working environment.

> **Health:**

Implementing robust health management systems to protect the well-being of our workforce. We prioritise health and safety through regular training, risk assessments, and proactive initiatives.

> **Environment:**

Minimising environmental impact through sustainable practices and responsible resource management. Our projects incorporate environmentally friendly materials and methods, reducing our carbon footprint and promoting ecological balance.







# SOCIAL VALUE

We believe in making a positive impact on the communities we serve by fostering economic, social, and environmental well-being.

- > **Community Engagement:**  
Actively involving local communities in our projects to ensure that their needs and concerns are addressed. We work closely with community stakeholders to enhance public spaces and support local development.
- > **Local Employment:**  
Prioritising the hiring of local talent and suppliers to boost the local economy and create job opportunities. We are committed to providing training and apprenticeship programs to develop skills within the community.
- > **Sustainable Practices:**  
Implementing environmentally sustainable practices in all our projects to protect and enhance the natural environment. We focus on reducing waste, conserving resources, and using eco-friendly materials.
- > **Charitable Support:**  
Supporting local charities and community initiatives through donations, sponsorships, and volunteer efforts. We encourage our employees to participate in charitable activities and give back to the community.
- > **Education and Outreach:**  
Partnering with local schools and educational institutions to promote STEM (Science, Technology, Engineering, and Mathematics) education. We offer site visits, workshops, and work experience to inspire the next generation of engineers and civils professionals.





We are dedicated to creating social value through our operations and projects.





# WORK WITH US

At Jointline,  
we are always  
looking to  
collaborate with  
clients, partners,  
and talented  
professionals  
who share our  
commitment to  
excellence and  
innovation.

Working with us means becoming part of a culture that values quality, safety, and sustainability.

> **Clients:**

We provide bespoke, end-to-end solutions tailored to meet your specific project needs. Our multidisciplinary expertise ensures that we can handle all aspects of your project, delivering exceptional results on time and within budget.

> **Partners:**

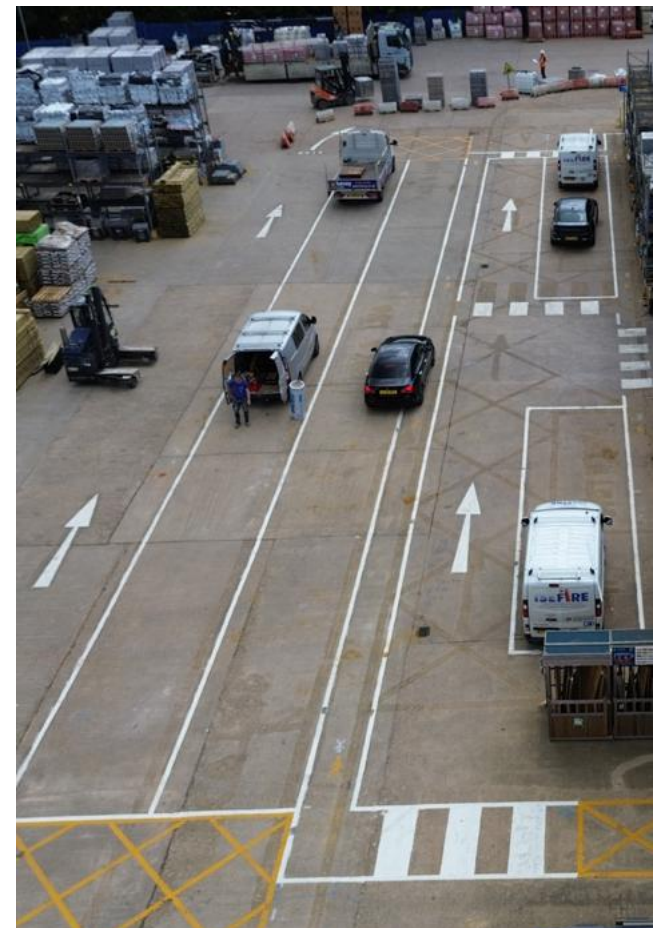
We believe in building strong, collaborative relationships with our partners. Whether you are a supplier, subcontractor, or consultant, we work together to achieve shared goals and deliver superior outcomes.

> **People:**

Join our dynamic team and be a part of a company that values professional growth and development. We offer competitive benefits, ongoing training, and opportunities for career advancement. Explore our current job openings and apply to become part of the Jointline family.



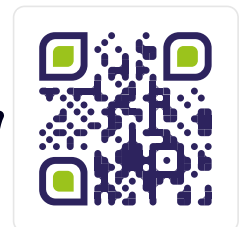




For more information on working with us, please contact us at:

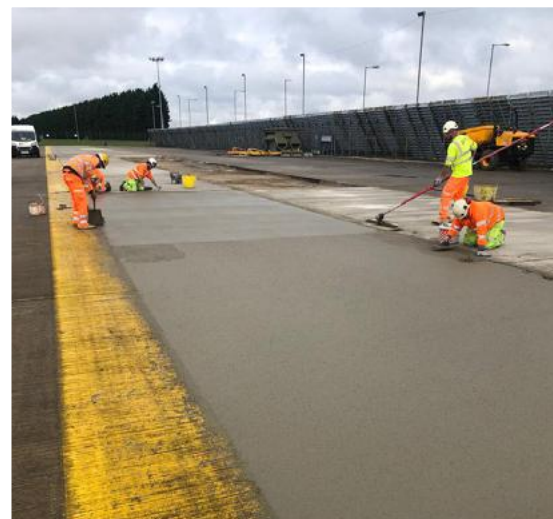
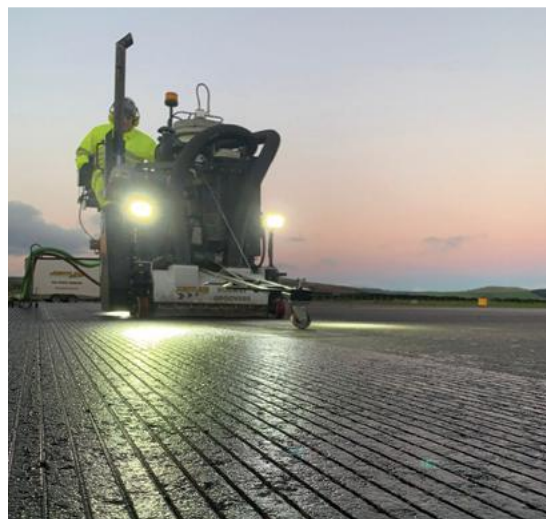
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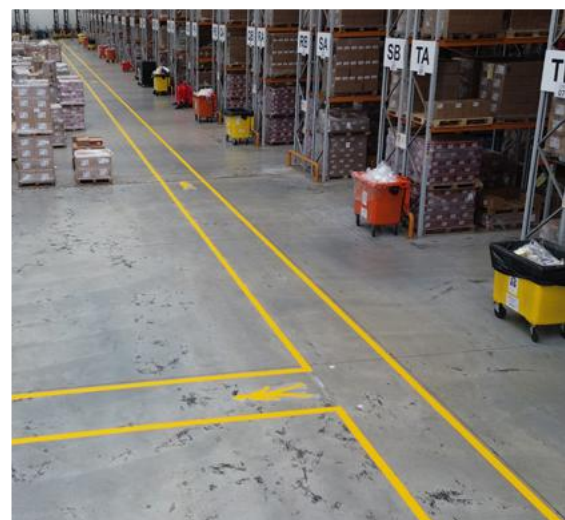


*Get in Touch!*













Safely Marking  
The Way Ahead  
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