

maintenance range product selector

ROUTE
ONE
HIGHWAYS

Surface Preparation Services

Anti-Skid and Roadmarking Removal

Utilising the combination of the enclosed blasting and scarifying techniques makes it possible to remove roadmarkings, epoxy and thermoplastic anti-skid surfaces without damaging the integrity of the surface course.

Typical Applications

- Thermoplastic roadmarkings
- Rib-line roadmarkings
- Epoxy and thermoplastic anti-skid systems

Advantages

- Provides excellent adhesion for new materials
- No damage to surface course
- Complete removal
- Improves safety

Airport/Racing Circuit Runway Rubber Removal

The enclosed vacuum blasting machine is used for removing excess rubber from airport runways and car racing circuits. The rubber is completely removed and the texture of the surface is restored.



Typical Applications

- Airport runway surfaces
- Racing Circuits

Advantages

- Completely removes rubber and surface contaminants
- Restores surface texture
- Improves safety
- Quick Operation



Asphalt and Concrete Surface Retexturing

The enclosed vacuum blasting machine is an excellent means of restoring surfaces which suffer from a loss of texture and poor skid resistance qualities. It is an extremely economical means of restoring old surfaces which may otherwise be replaced.

Typical Applications

- Asphalt or Macadam surfaces
- Grooved surfaces
- Surface dressing

Advantages

- Economical
- Highways Agency Approved
- Up to 300/m² per hour



Decorative Surface Shot Blasting

Using the enclosed vacuum blasting, grinding or polishing we are able to remove the surface binder in asphalt or concrete surfaces to expose colours in natural aggregates within the mixes.

Typical Applications

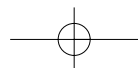
- Decorative bound asphalts or concrete surfaces

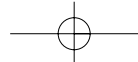
Advantages

- Innovative
- Permanent coloured finish

ROUTE
ONE
HIGHWAYS

MAINTENANCERANGE





Surface Preparation, Bridges and Structures Maintenance Systems

Route One Highways surface preparation, bridges and structures maintenance range provides the 'One-Stop-Shop' solution for repairs to floor surfaces and installation of permanent coatings.

The services provided utilise the latest enclosed vacuum steel shot blasting technology and surface removal techniques. We are also approved installers of protective coatings for bridges and other structural surfaces.

Bridges and Structures Services

Structural Waterproofing

Providers of BBA/HAPAS approved bridge deck and car park deck waterproofing systems in either liquid applied polyurethane, polymer modified bitumen sheet or spray applied form.

Typical Applications

- Bridge deck concrete surfaces
- Multi-Storey car park concrete surfaces

Advantages

- BBA/HAPAS approved system



Footbridge Anti-Slip Waterproofing Systems

Approved installers of epoxy and slurry based anti-slip waterproofing systems in combination with a selection of natural aggregates to the desired specification.

Typical Applications

- Concrete, steel or timber surfaces

Advantages

- Permanent anti-slip finish
- Complete protection to underlying surface

Pavix CC 100 - Silane Alternative

Approved installers of Chem-Crete Pavix CCC100. In a single application this will permanently protect concrete and stone against all moisture intrusion and moisture related problems. This unique water-based, water repelling treatment is 100% non-toxic and non-hazardous.

Typical Applications

- Concrete bridges
- Concrete Structures
- Multi-storey Car Parks
- Shopping Centres
- Sea Defences
- Historic buildings and monuments

Advantages

- Environmentally friendly protection treatment
- Full protection in a single application
- Permanent protection
- Safe to use



Expansion Joints

Approved installers of the Thormajoint approved by the UK Department of Transport. This has been widely used and a proven joint system within the Highways Industry for many years.

Typical Applications

- Highways Agency, Local Authority and rail bridge deck expansion joints

Advantages

- Approved by the UK Department of Transport
- Accommodates ± 25mm movement
- Noise reduction



Bridges and Structures Services

Ekosorb PR-C - Anti-Graffiti Treatment

Approved installers of Ekosorb PR-C anti-graffiti treatment. It is a high performance sacrificial coating for protecting concrete, masonry and other porous surfaces against graffiti paints.

Typical Applications

- Concrete, masonry and porous surfaces
- Granite or marble surfaces

Advantages

- Environmentally friendly
- Prevents paints from penetrating porous surfaces
- Paints can be readily removed
- Durable against inclement weather

Crack Inducers

Installers of rubberised bitumen crack inducers for use within bridge expansion joint design. We use a hot poured, high extension polymer modified bitumen sealant complying with Department of Transport specification for highway works clauses 1016 and 1017.

Typical Applications

- Use in combination with bridge expansion joints

Advantages

- Complies with Department of Transport specification
- Provides required elasticity for joint movement
- Good adhesion to asphalt surfaces

Surface Preparation Services

Waterproofing Preparation

Using enclosed vacuum blasting technology we are able to provide an efficient and safe means of removing coatings from horizontal and vertical surfaces.

Typical Applications

- Bridge Deck Surfaces
- Multi-Storey Car Park Surfaces

Advantages

- No Dust
- No Chemicals
- Clean Operation
- Environmentally Friendly



Factory Floor Preparation

One of the most important aspects of any flooring project is preparation. Vacuum Shotblasting is the industry standard for floor preparation. It is recommended by every single paint and resin manufacturer as conforming with the manufacturers specifications and will ultimately produce a long lasting finish depending on which resin system is chosen. We are also approved installers of the BBA/HAPAS, certificate No. 00/H35, epoxy resin anti-slip surface system.

Typical Applications

- Concrete or Asphalt Factory Surfaces
- Removal of existing resins or paints

Advantages

- No Dust
- No Chemicals
- No Water
- Clean Operation
- Provides Excellent Adhesion for Paints/Resins

Footbridge Deck Preparation

Vacuum blasting and scarifying techniques used to remove existing epoxy or slurry based materials from existing surfaces and to texture new concrete and steel surfaces.

Typical Applications

- Remove epoxy or slurry based materials
- Concrete or Steel deck surfaces

Advantages

- Provides excellent adhesion for new materials
- Clean operation

Steel Surface Preparation

Vacuum blasting techniques used to remove existing anti-slip coatings and paints from steel deck surfaces. We are also approved installers of the BBA/HAPAS, certificate No. 00/H35, epoxy resin anti-slip surface system.

Typical Applications

- Ship deck surfaces
- Walkway surfaces
- Access ramps

Advantages

- No dust
- No water
- No chemicals
- Provides excellent adhesion for resin based materials

