Highway Maintenance Solutions

Product Acceptance Schemes
Bedding Mortars
High Specification Concretes
Cold Lay Asphalt Concretes
Construction Chemicals
Ancillaries

ultracrete.co.uk
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All information contained within this brochure was correct at time of print.
We are a **multi award-winning market leading company**. A specialist manufacturer of cement and bitumen based products to the world market for over 40 years. We have built a solid reputation based on the research, development and production of innovative materials for use in highway maintenance, urban regeneration, tiling, commercial flooring and internal finishing solutions.

We are committed to providing high specification products that are durable, proven and independently tested, backed up by first class customer, technical and site support.

Manufacturing has been at the heart of Instarmac since 1977, and today products are produced in a modern automated facility and sold to contractors, distributors and stockists worldwide.

Our own research and development laboratory means we are always at the forefront of today’s technology. Rigorous testing in-house and through certified external bodies offers you the reassurance of a quality guarantee.
We are a Sunday Times Top 100 Small Company with a 3-Star Best Companies rating and have been recognised in their International Track 200 which ranks Britain’s mid-market private companies with the fastest growing international sales. All our processes and systems are certified to ISO 9001, ISO 14001 and OHSAS 18001 respectively. We have been named as Employer of the Year by Price Waterhouse Cooper and have been commended for our health and safety processes winning the highly coveted Gold Award from RoSPA (Royal Society for the Prevention of Accidents) six years running.

Delivery
All processed orders are automatically confirmed by email to you. Our privately owned fleet is managed and fully tracked in-house. Live tracking technology means that we can tell you exactly where your delivery is. Our system will automatically text you when your delivery is only 30 minutes away. A second-to-none delivery service that is speedy, convenient and reliable.

Our latest efforts have meant the successful implementation of zero waste to landfill from January 2014. We strive to be pioneering in our corporate social responsibility activities, the working environment we maintain, our culture and the rewards we provide.

We are committed to continuously re-evaluating and reducing our environmental impact to encourage a positive, long-term future and have been recognised and awarded several times for our initiatives. Tapping into the initiative of our staff, continually working with suppliers to take advantage of the most energy and waste efficient products and procedures, and employing the latest available technologies, means we are always achieving a year-on-year improvement in our performance.

Our latest efforts have meant the successful implementation of zero waste to landfill from January 2014. We strive to be pioneering in our corporate social responsibility activities, the working environment we maintain, our culture and the rewards we provide.

Excellence as standard

Get in touch.
01827 254400
ultracrete@instarmac.co.uk
All products used on our road network need to be assessed and certified through a UKAS accredited Certification Body to demonstrate they conform to the standards of performance set out in the Specification for Highway Works (MCHW SHW) and the Specification for the Reinstatement of Openings in Highways (SROH), which guarantees long-term performance.

Two such Certification Bodies who offer industry-recognised certification are the British Board of Agrément (BBA), who provide BBA HAPAS certificates and Pavement Testing Services Ltd (PTS) who provide PTS PAS certification.

Both BBA and PTS are supported in their product assessment schemes (PAS) and certification by a Technical Supervisory Panel, which includes representation from key industry bodies including Highways England, Environment, Economy, Planning and Transport (ADEPT), Road Surface Treatments Association (RSTA), and the Highways Authorities & Utilities Committee (HAUC UK).

Products certified through BBA and PTS are proven to not only meet the test and performance criteria required to withstand the demands of our carriageways and footpaths, but also provide peace of mind that all certified products have been developed by manufacturers with strong quality management systems, strict process control and manufacturing consistency and traceability.
HAPAS
The System

Surface Finish:
SCJ Seal and Tack Coat Spray, see page 35

Instant Road Repair
Cold Lay Asphalt Concrete 6mm or 10mm, see pages 30–31

Backfill Concrete:
QC10 F Flowable Fast Set Rapid Strength Concrete, see page 20
QC10 Fast Set Rapid Strength Concrete, see page 21
Envirobed® HA104 Flowable High Performance Bedding Mortar, see page 10

Overbanding:
Instaband ECO Thermoplastic Skid Resistant Overbanding, see page 43

Bedding Mortar:
M60 F Rapid strength, fibre reinforced bedding mortar, see page 12
M60 Fast Setting Rapid Strength Bedding Mortar, see page 11
Envirobed® HA104 High Performance Bedding Mortar, see page 9
PY4 Polyester Resin Fast Setting Bedding Mortar, see page 17

The benefits:

1st A first time permanent repair solution
£ Reduction in total cost of ownership
§ Protects professional indemnity insurance
✔ Reduces costly failures which can result in personal injury claims

5+ Exceeds a 5 year service life with no risk of split liability
✔ Trusted and widely used by Highways Contractors, Local Authorities and Utility Suppliers
✔ Allows sites to be open to traffic from break out to completion, in as little as 2 hours
Reinstating a manhole cover

Get it Right First Time
The following PAS, Highways Approved installation method will ensure a right first time repair, reduce maintenance costs and extend service life.

1. A picture frame is marked around the manhole.
2. The picture frame is saw cut and excavated and the existing cover and frame removed.
3. Old bedding mortar, loose bricks and debris are removed.
4. UltraCrete bedding mortar (M60, Envirobond® HA104 or PY4) is placed on the supporting structure. The frame is lowered into position.
5. Apply UltraCrete QC10 / QC10 F / Envirobond® HA104 Flowable concrete once the mortar has set.
6. Spray all vertical edges and substrate (including manhole frame) with UltraCrete SCJ seal and tack coat spray.
7. Apply UltraCrete Instant Road Repair® cold lay asphalt concrete using a 50% surcharge, compact to the required depth (typically 45mm layers, compacted to 30mm).
8. Once the Instant Road Repair is compacted level with the existing surface, apply UltraCrete Instaband ECO skid resistant overbanding tape.
A range of high performance, rapid setting bedding mortars for the reinstatement and installation of all types of ironwork, access covers and frames. Comprising of PAS, **Highways Approved, HA104** and **Openreach LN550/LN320** compliant materials, that provide first time permanent installations, early trafficking, increased productivity, a reduction in section 74 fines, and a vastly reduced whole life cost.
Envirobond® HA104
High Performance Bedding Mortar

- BBA HAPAS Approved
- Conforms to HA104/09
- Superior compressive, tensile & flexural strengths in 3 hours
- Open to traffic: 1 hour

The environmentally friendly alternative to resin-based materials, specifically formulated for the bedding of all access covers.

★ Workability: 15 minutes
★ Set Time: 30 minutes
★ Depth: 10mm-50mm
★ 53N/mm² compressive strength in 3 hours
★ 12N/mm² flexural strength in 3 hours
★ 6.10N/mm² tensile strength in 3 hours
★ No hazardous waste disposal
★ Can be used in wet conditions and in temperatures as low as 1°C

Packaging:
- 18kg paper bag & 2.5l plastic bottle (48 units per pallet)
- 18kg bucket includes 2 x 8kg bags and 2 x 1l bottles (40 units per pallet)
Envirobed® HA104 Flowable
High Performance Bedding Mortar

- BBA HAPAS Approved
- Conforms to HA104/09
- Openreach LN550 and LN320 compliant
- Superior compressive, tensile & flexural strengths in 3 hours
- Open to traffic: 1 hour
- Aids lateral stability

Specifically formulated for utility reinstatements. Provides all of the performance of Envirobed® HA104 but is significantly easier to apply. Great for bedding large section manhole covers and frames.

- **Workability:** 15 minutes
- **Set Time:** 30 minutes
- **Depth:** 10mm-50mm
- **44N/mm² compressive strength in 3 hours**
- **Combines as a bedding mortar & backfill**
- **9.5N/mm² flexural strength in 3 hours**
- **5.5N/mm² tensile strength in 3 hours**
- **No hazardous waste disposal**
- **Can be used in wet conditions and in temperatures as low as 1°C**

**Packaging**

- 18kg paper bag & 2.5l plastic bottle (48 units per pallet)
M60
Rapid Strength Bedding Mortar

For use with all access covers, emergency concrete road repairs, bedding and profiling of kerbs and tidal repair projects.

- **Workability:** 5-10 minutes
- **Set time:** 20 minutes
- **Depth:** 10mm-75mm
- **24N/mm² compressive strength in 60 minutes**
- **Shrinkage compensated**

**Packaging**
- 25kg paper bag
  (56 units per pallet)
- 25kg bucket
  (40 units per pallet)

**BBA HAPAS approved since 2005**
**Conforms to HD27/15**
**Rapid strength gain**
**Open to traffic: 1 hour**
**Shrinkage compensated**
M60 F
Rapid Strength, Fibre Reinforced Bedding Mortar

Our market leading, rapid strength mortar, with added fibres for superior strength gain. Ideal for use with all access covers, as well as for the bonding of granite setts, flags and bedding kerbs.

- **Workability:** 5–10 minutes
- **Set Time:** 20 minutes
- **Depth:** 10mm-75mm
- **25N/mm²** compressive in 1 hour
- **38N/mm²** compressive strength in 1 day
- **6N/mm²** flexural strength in 1 day

BBA HAPAS Approved
Fibre reinforced
Conforms to HD27/15
Contains minimum 20% recycled material
Open to traffic: 1 hour
Shrinkage compensated

Packaging
- 25kg paper bag (56 units per pallet)
- 25kg bucket (40 units per pallet)
M45
Rapid Strength, Bedding and Repair Mortar

For use with all access covers, emergency concrete road repairs, bedding and profiling of kerbs and tidal repair projects.

★ Workability: 5-10 minutes
★ Set time: 15 minutes
★ Depth: 10mm-75mm
★ 20N/mm² compressive strength in 45 minutes
★ Shrinkage compensated

Packaging

• 25kg paper bag (56 units per pallet)
• 25kg bucket (40 units per pallet)

Rapid strength gain
Conforms to HD27/15
Excellent workable consistency
Open to traffic: 45 minutes
Fast setting
M90
All Purpose, Fast Set Mortar

Ideal for bedding access covers and general repairs.

★ Workability: 5-10 minutes
★ Set time: 20 minutes
★ Depth: 10mm-75mm

★ Consistently achieves 20N/mm² compressive strength in 90 minutes at 5°C, 10°C, 15°C and 20°C.

Packaging

• 25kg paper bag (56 units per pallet)
• 25kg bucket (40 units per pallet)

All purpose
Conforms to HD27/15
Rapid strength gain
Economical
Open to traffic: 90 minutes
Our heavy duty, resin based mortars are ideal for use in highly trafficked areas. Offering superior compressive, tensile and flexural strengths, these mortars offer consistent performance and provide a first time permanent solution for bedding ironwork in areas subjected to extreme wear and tear and high water pressure. Rapid strength gain and setting times allow early trafficking and a reduction in penalties.
RESI-BED
Epoxy Bedding and Concrete Repair Mortar

- Ideal for bonding coping stones, arris repairs, bedding granite setts and paving elements in recess covers and tree grids.
- Workability: 30 minutes
- Set time: 90 minutes
- Open to traffic: 6 hours
- Depth: 5mm-50mm

- 75N/mm² compressive strength in 7 days
- 22.4N/mm² flexural strength in 7 days
- 15.6N/mm² tensile strength in 7 days

Packaging
- 10kg bucket (60 units per pallet)
- 22kg bucket (39 units per pallet)

Chemical resistant
Waterproof
Excellent bond strength 45N/mm²
**PY4**
Polyester Resin System

PY4 produces a stiff supporting mortar, and is effective for the rapid installation and reinstatement of manhole covers and frames in heavily trafficked areas. Highly recommended for ductile ironwork.

- **Workability**: 5-10 minutes
- **Set time**: 15 minutes
- **Depth**: 5mm-50mm
- **7.41N/mm² tensile strength in 1 hour**

**Packaging**
- 25kg bucket (30 units per pallet)

**BBA HAPAS approved since 2005**
- **Rapid strength gain**
- **61.5N/mm² compressive strength gain in 1 hour**
- **Open to traffic: 40 minutes**
- **Conforms to HA104/09**
Ideal for anchoring bolts or bars, the bedding of lights in carriageways, backfill of manhole covers and sealing surface cracks.

- **Workability**: 5-10 minutes
- **Set time**: 15 minutes
- **Depth**: 5mm-50mm

- 21N/mm² flexural strength in 1 hour
- 7.28N/mm² tensile strength in 1 hour

**Packaging**

- 25kg bucket
- (30 units per pallet)

**Withstands extreme wear and tear**

**Conforms to HA104/09**

**Rapid setting time**

**85N/mm² compressive strength gain in 1 hour**

**Open to traffic: 40 minutes**
Our single and two-part concrete mixes cater for a range of light to heavy duty applications and include PAS, Highways Approved, vandal proof, fast setting, early strength gain materials for back filling, surfacing and post installation.
A fibre reinforced concrete designed for thick section repairs, haunching reinstatements, ironwork backfilling, commercial sign/post installation and surface repairs.

- **Workability:** 5-10 minutes
- **Set time:** 10-20 minutes
- **Depth:** 30mm-500mm
- **20N/mm² compressive strength after 90 minutes**
- **Shrinkage compensated**

**QC10 F**
Rapid Set Flowable Concrete

- **BBA HAPAS Approved since 2005**
- **Fibre modified**
- **Rapid set**
- **Open to traffic: 90 minutes**

**Packaging**

- 25kg plastic bag (56 units per pallet)
**QC10**  
Rapid Strength Concrete

- **Workability:** 5-10 minutes
- **Set time:** 10-20 minutes
- **Depth:** 30mm-250mm
- **20N/mm² compressive strength in 2 hrs**
- **Can be bulked out in certain applications**

**BBA HAPAS Approved since 2005**  
**Rapid set**  
**Open to traffic: 2 hours**

**Packaging**

- 25kg plastic bag (56 units per pallet)
A non-shrink concrete designed for the surface reinstatement of ‘picture frames’ or fillets around access covers and surface areas around street furniture.

- **Workability:** 5-10 minutes
- **Depth:** 12mm-100mm
- **Open to traffic:** 4 hours
- **Compressive strength:** 57N/mm² at 28 days

**Packaging**
- 25kg paper bag (56 units per pallet)
- 25kg bucket (40 units per pallet)

**Features**
- Shrinkage compensated
- Excellent workability
- Anti-vandal
- Rapid set: 15 minutes

**QC6**
Surface Reinstatement Concrete
FLOWCON
Self-Compacting Concrete

High specification C50 concrete in a bag, ideal for applications with limited site access where bulk concrete cannot be delivered.

★ Workability: 60 minutes
★ Set time: 6 hours
★ Depth: 20mm-500mm
★ Pre-blended cement for a consistent quality mix

FLOWCON
SELF-COMPACTING CONCRETE

• 25kg plastic bag
  (56 units per pallet)

Great for areas with limited access
High compressive strength 55N/mm²
Flowable
Easily Transportable

FLOWCON
SELF-COMPACTING CONCRETE

PACKAGING
Fibre modified concrete, suitable for small and large reinstatements to car parks, warehouses and bridge decks.

★ Workability: 20 minutes
★ Set time: 60 minutes
★ Depth: 10mm to 50mm
★ Pre-blended, just add water

66N/mm² compressive strength
Foot traffic: 2 hours
Fibre reinforced
Shrinkage compensated

Packaging
• 25kg paper bag
  (56 units per pallet)
SUPER FIX
Single Part Post Mix

For the installation of light duty posts, fences and poles.

- **Workability:** Ready to use, pour powder into hole and just add water
- **25N/mm² compressive strength at 28 days**

Light duty applications
Pre-blended
Rapid set: 15 minutes

Packaging
- 25kg paper bag (56 units per pallet)
A 10mm concrete formulated for sub-surface use and fast installation of posts, signs, fences, street lighting, speed cameras and road side barriers.

- **Workability:** 5-10 minutes
- **Set time:** 15 minutes
- **Two-part mix**

**Packaging**
- 25kg plastic bag (56 units per pallet)

**Post Fix**
Rapid Hardening Concrete

- **Professional grade**
- **Easy mix**
- **Fast set**
- **41N/mm² compressive strength**
KERB AND PATCH REPAIR
Rapid Setting Kerb and Patch Repair

Ideal for the reinstatement of small areas requiring less than a ready-mix quantity for example, the reinstatement of trip hazards, kerbs and steps.

★ Workability: 7 minutes
★ Set time: 25 minutes
★ Depth: 10mm–100mm
★ 50N/mm² compressive strength at 28 days
★ 8.09N/mm² tensile strength at 28 days

Packaging
10kg bucket
(50 units per pallet)

High strength
No waste
Open to traffic: 2 hours
PAS, Highways Approved, first time permanent patching materials for high performance planned and reactive repairs. Offering a proven repair solution that is durable, instantly trafficable and vastly reduces your total cost of ownership. Get it right first time with our range of cold lay asphalt concretes.
**Tough Patch® 6MM**
Permanent Cold Lay Surface Material

An instant solution for utility apparatus installations and reinstatements, permanent repairs and patching in footpaths and temporary pothole repairs in carriageways.

- First time, permanent, emergency and temporary repairs
- Rapid curing, instantly trafficable
- High deformation performance and rut resistance
- Use with UltraCrete SCJ Seal and Tack Coat spray for a permanent repair
- Use in all weather
- Easy to use and apply
- Depth: 15mm-60mm

**Packaging**

- 25kg foil bag (56 units per pallet)
- 25kg bucket (52 units per pallet)

**PTS PAS Approved**
Can be cored after 24 hours
Contains renewable binder materials
Innovative reactive binder
Solvent free
Tough Patch® 10MM
Permanent Cold Lay Surface Course

For permanent repairs in type 3 & 4 roads and temporary / emergency repairs in higher category roads.

- First time, permanent, emergency and temporary repairs
- Rapid curing, instantly trafficable
- High deformation performance and rut resistance
- Use with UltraCrete SCJ Seal and Tack Coat spray for a permanent repair
- Use in all weather
- Easy to use and apply
- Depth: 30mm-100mm

Packaging
- 25kg foil bag (56 units per pallet)
- 25kg bucket (52 units per pallet)

PTS PAS Approved
Can be cored after 24 hours
Contains renewable binder materials
Innovative reactive binder
Solvent free

CERTIFICATE PA946 0005
Product Assessment Certification
PTS PAS Approved
Can be cored after 24 hours
Contains renewable binder materials
Innovative reactive binder
Solvent free
INSTANT ROAD REPAIR 6MM
Cold Lay Asphalt Concrete

For permanent repairs in footways, footpaths and cycle tracks. Also available in red, ideal for repairs to cushions and ramps, cycle tracks, bus stops and colour coded car parking.

★ Suitable for planned and reactive repairs
★ Can be used in all weathers
★ Use with SCJ Seal and Tack spray coat for a permanent repair
★ Depth: 15mm-60mm
★ Resealable tubs


Packaging

- 25kg foil bag
  (56 units per pallet)
  Not available in red
- 25kg bucket
  (52 units per pallet)

BBA HAPAS Approved since 2002
First time permanent
6mm grade
Instantly trafficable
No waste
INSTANT ROAD REPAIR 10MM
Cold Lay Asphalt Concrete

For permanent repairs in type 3 and 4 roads.

★ Suitable for planned repairs
★ Can be used in all weathers
★ Use with SCJ Seal and Tack spray coat for a permanent repair
★ Depth: 30mm-100mm
★ Resealable tubs


BBA HAPAS Approved since 2002
First time permanent
10mm grade
Instantly trafficable
No waste

Packaging

- 25kg foil bag (56 units per pallet)
- 25kg bucket (52 units per pallet)
PERMANENT POTHOLE REPAIR
Cold Lay Asphalt Concrete

Ideal for the repair of potholes in roads, driveways and car parks.

- Suitable for planned and reactive repairs
- Use with SCJ Seal and Tack spray coat for a permanent repair
- SRV ≥ 88
- Depth: 10mm-100mm
- Resealable tubs

Packaging
- 25kg bucket (52 units per pallet)

BBA HAPAS Approved since 2011
Instantly trafficable
No waste
Easy to use
PERMANENT POTHOLE REPAIR WET
Cold Lay Asphalt Concrete

Permanent Pothole Repair Wet is a modified formulation which delivers a more durable result in wet conditions. If the pothole is clean but water has collected in it, PPR WET can be applied. Suitable for the repair of potholes in roads, driveways and car parks.

- Helps prevent washout
- Suitable for planned and reactive repairs
- SRV ≥88
- No need to prime
- Can be used in all weathers
- Depth: 10mm-100mm
- Resealable tubs

Made for use in the wet
Withstands hydraulic stress
Instantly trafficable
No waste

Packaging
- 25kg bucket
  (52 units per pallet)
SCJ
Seal and Tack Coat Spray

A cold joint sealer that is applied onto vertical edges and surface base before the application of asphalt.

- Can be used in all weathers
- No waste
- Simple and economical to apply

Conforms to the SROH part S6.5.2.2 Edge Sealing ‘the top 100 mm, at least, of all bound vertical edges at surface course and binder course levels, and the equivalent area on kerbs and exposed fixed features, shall be painted with a bitumen based edge sealant or otherwise prepared with an edge sealing system or equivalent material’.

Packaging

- 750ml aerosol can (12 cans per box)
- BBA HAPAS Approved since 2005
- Prevents water ingress
- Prolongs the life of your repair
- Improves bond
PERMA-SOIL
Soil Stabiliser

A9 compliant in accordance with A9.5.3 of the SROH
Reduces the need for virgin aggregates
Can be re-excavated
Cost saving

Turns excavated spoil into backfill within minutes. Ideal for use with small utility excavations, backfilling poles, water meters and water tobies.

★ Initial set time: 60 minutes
★ Quick and easy to use in-situ
★ Eliminates the need/cost to haul away spoil
★ Meets the requirements set out in the Utility WRAP Agreement

Packaging

- 25kg plastic bag (54 units per pallet)
- 25kg bucket (30 units per pallet)
- 12.5kg bucket (56 units per pallet)
A surface defect repair system developed to address specific areas of preventative maintenance. Through consultation with contractors and clients, it was identified that early treatment of defects in carriageways of thin surface asphalt repairs, would prevent formation of costly potholes and associated risks. SURFACE DEFECT REPAIR is a granular thermoplastic, with anti-skid dressing that can be applied to minor defects in the carriageway. The product is heat applied and once set, gives a durable repair. It is not formulated for use on large scale repairs, which instead should be treated with our cold lay asphalt range. It is suitable for use on contracts where asset management allows for early identification of minor defects and can be built into the programme.
‘Local Authorities agree that Permanent Pothole Repair is the proven choice for reactive and planned maintenance that really lasts!’
Specialist products for grouting and cement concentrate admixture for on-site concrete / mortar / screeds.
RSC
Rapid Setting Cement

When mixed with aggregates, it produces fast setting, early high strength mortar or concrete. It is suitable for use on cable box floors, road crossings, sign and camera bases.

- Workability: 10-15 minutes
- 20N/mm² compressive strength in 1 hour

Packaging
- 20kg paper bag (56 units per pallet)
- 20kg bucket (40 units per pallet)

High strength
20N/mm² in 1 hour
Open to traffic: 1 hour
Cost effective
High Flow Precision Grout

Ideal as a bridge bearing grout as well as for the securing of stanchion base plates, machine beds and parapet legs.

- **Workability**: 60 minutes
- **Set time**: 8 hours
- **Open to traffic**: 24 hours
- **Depth**: 10mm-100mm
- **Compressive strength at 28 days**: 70N/mm²

Complies with the specification for Highway Works Clause 2601

- ✔️ High flow
- ✔️ High strength
- ✔️ Can be pumped or poured

**Packaging**
- 25kg paper bag
  (56 units per pallet)
The key in any reinstatement is the ancillary products available to support them. Our range of high performance ancillaries are quick and easy to apply, minimise traffic management, eliminate risk and prolong the life of your repairs.
INSTABAND ECO®
Thermoplastic Overbanding Tape

Designed for asphalt roads to prevent water ingress and progressive fretting. Suitable for use on permanent patching schemes and around utility cuts.

★ Quick and easy to apply
★ Open to traffic: 10 minutes
★ Elastic qualities accommodate thermal movement
★ 60 SRV

Conforms to the SROH part S11.7 Overbanding 'All materials used for overbanding shall have a current HAPAS approval certificate.'

Packaging

- 5m x 35mm roll
  (12 Rolls per box)

HAPAS Approved since 2012
No waste, cut as required
Prevents water ingress immediately
Prolongs the life of your repair
INSTAGRIP
Anti-skid Patch Repair

For the patching and reinstating of high friction areas after maintenance work has taken place. Ideal for use on pedestrian crossings, junctions, roundabouts, footbridges, subways, steel plates and manhole covers.

★ Easy to use
★ Fast return to service
★ Available in:
  Grey, Buff, Red, Green and Black

Packaging

• 15kg bucket
  (36 units per pallet)

Restores anti-skid

Set time: 1–2 hours

Complete kit! Contains everything you need to complete the job
INSTALINE
Thermoplastic Road Marking

Don’t get caught out by using inferior products!

Ideal for the reinstatement of line areas on car parks, roads and carriageways.

- Conforms to BS EN 1436:2007 as a road marking material
- Comes pre-beaded, avoiding the expense of drop on glass grains
- Remains flexible and easy to un-roll in temperatures as low as 5°C
- Excellent UV resistance providing long term colour fastness
- The only line that provides a skid resistance value in excess of 55, straight from the box
- Available in a range of colours: Yellow, White and Primrose
- Binder made from 70% renewable sources
- Manufactured using 90% recycled glass particles

Packaging
- Yellow - 5m x 100mm roll (6 Rolls per box)
- White - 5m x 100mm roll (6 Rolls per box)
- Primrose - 5m x 50mm roll (12 Rolls per box)
LMP
Line Marking Paint

Ideal as an effective and quick method for line or spot marking of pothole repairs, car parks, warehouses, sports halls and building sites.

- Ideal for stencilling / free hand marking
- Semi-permanent – 3 month wear
- Available in a range of colours: Yellow, White and Blue

Economical
No waste
Excellent adhesion
Durable

Packaging
- 750ml Aerosol can (12 cans per box)
UltraCrete for Rail
With approved products for the London Underground

Fast Track Refurbishment

UltraCrete’s product portfolio is widely used in the rail industry with a number of materials having been approved for use on the London Underground.

Its product offering is ideal for a range of applications including the installation of signals, signposts and street furniture as well as for the maintenance of kerbs, sleepers, and repairs to car parks, concourses and crossings. The products’ fast setting properties enable speedy project completion, keeping possession time to a minimum.
Materials on the London Underground compliance register include:

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<tr>
<td>SCJ Seal and Tack Coat Spray</td>
<td>Sprayed to the surface, base and vertical edges before the application of asphalt</td>
<td>2314</td>
</tr>
<tr>
<td>HF High Precision Grout</td>
<td>Rail bolt installation</td>
<td>2712</td>
</tr>
</tbody>
</table>

Our approvals list is constantly expanding, for an up-to-date list anytime, please contact UltraCrete on: 01827 254400
Site: Waverley Train Station, Edinburgh
Project: Bedding of station’s platforms, kerbs, tactile paving and linear drainage
Material used: UltraCrete RSC Rapid Setting Cement

Site: Clapham Junction
Project: Reinstatement of recessed covers
Material: UltraCrete’s Kerb and Patch repair

Site: LUAS Tramline, Dublin
Project: Surface repair to embedded track
Material used: UltraCrete QC10 F Flowable Fast Set Concrete

Site: Nationwide
Project: Installation and repair of level crossing systems
Material used: UltraCrete’s Instant Road Repair® 10mm, Post Fix concrete and Instaline thermoplastic road marking
Instarmac brands

**ultra-floor.co.uk**

Fast-track smoothing underlayments, primers and surface damp proof membranes – providing customers with all they need for a quality commercial or industrial flooring installation.

**ultrascape.co.uk**

A range of bedding, priming and jointing materials that meet and exceed the strict demands of BS 7533; offering a paved construction life of over 40 years.

**ultratilefix.co.uk**

Ready mixed and cement-based wall and floor tile adhesives, grouts and ancillaries – at the heart of every great project!

**wondertex.co.uk**

A range of decorative texturing, drylining and coving solutions expertly formulated for ease of use, speed of completion and professional results

**instarmacinternational.com**

Instarmac currently has over 50 licencees and distributors worldwide manufacturing and marketing UltraCrete's Instant Road Repair ®. It has been gaining momentum across the globe and is being used in over 25 countries including Germany, Switzerland, Italy, Japan, China, Australia, New Zealand and Kenya.
We offer free of charge material awareness days and RIBA and RIAI Approved CPDs. Our ‘Fixing Potholes and Reinstating Ironwork’ seminar is available in half or full day formats and covers all stages of ironwork reinstatement and reasons for failure. Our material awareness days cover the entire product range and can be tailored to suit your needs.

We have bespoke designed outside skill areas and an indoor training facility, specially developed for the highways maintenance market. Our outside zones closely mimic the external environment for carriageway reinstatement applications, whilst the indoor provides purpose built areas to plan, practice and perfect your skills to benefit from our high performance products.

We can also arrange training and product demonstrations at your premises or live on site at a time convenient to you.

For further information please call 01827 254400 or email ultracrete@instarmac.co.uk
# Highway Reinstatement Materials

<table>
<thead>
<tr>
<th>Epoxy Bedding and Concrete Repair Mortar</th>
<th>Surface Reinstatement Concrete</th>
<th>Rapid Setting Patch and Kerb Repair</th>
<th>Cold Lay Asphalt Concrete</th>
<th>High Flow Precision Grout</th>
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</thead>
<tbody>
<tr>
<td>Resi-Bed</td>
<td>QC6</td>
<td>Kerb and Patch Repair</td>
<td>Tough Patch®</td>
<td>Permanent Pothole Repair</td>
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<tr>
<td>PAS, Highways Approved</td>
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<tr>
<td>Conforms to HA104/09</td>
<td></td>
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<tr>
<td>London Underground Approved</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Workability at 20°C</td>
<td>30 mins</td>
<td>5-10 mins</td>
<td>7 mins</td>
<td>60 mins</td>
</tr>
<tr>
<td>Set time at 20°C</td>
<td>90 mins</td>
<td>15 mins</td>
<td>25 mins</td>
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</tr>
<tr>
<td>Depth (mm)</td>
<td>5-50mm</td>
<td>12-100mm</td>
<td>15-60mm</td>
<td>10-100mm</td>
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<tr>
<td>Open to traffic</td>
<td>6 hrs</td>
<td>4 hrs</td>
<td>2 hrs</td>
<td>instantly</td>
</tr>
<tr>
<td>Compressive strength</td>
<td>75N/mm² in 7 days</td>
<td>57N/mm² at 28 days</td>
<td>50N/mm² at 28 days</td>
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<tr>
<td>Tensile Strength</td>
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<td>8.09N/mm² at 28 days</td>
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<tr>
<td>Flexural strength</td>
<td>22.4N/mm² in 7 days</td>
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<td></td>
<td></td>
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<tr>
<td>For more info see page:</td>
<td>16</td>
<td>22</td>
<td>27</td>
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### PAS APPROVED IRONWORK REINSTATEMENT SYSTEM

<table>
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<tr>
<th></th>
<th>High Performance Bedding Mortar</th>
<th>Rapid Strength Bedding Mortar</th>
<th>Polyester Resin Bedding Mortar</th>
<th>Rapid Set Flowable Concrete</th>
<th>Rapid Strength Concrete</th>
<th>Cold Lay Asphalt Concrete</th>
<th>Cold Joint Seal and Tack Spray</th>
<th>Thermo Plastic Overbanding Tape</th>
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<tbody>
<tr>
<td>Envirobed® HA104</td>
<td>Envirobed® HA104</td>
<td>M60</td>
<td>M60 F</td>
<td>PY4</td>
<td>QC10 F</td>
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<td>Instant Road Repair 6mm</td>
<td>Instaband ECO</td>
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<th>Set time at 20°C</th>
<th>Depth (mm)</th>
<th>Open to traffic</th>
<th>Compressive strength</th>
<th>Tensile Strength</th>
<th>Flexural strength</th>
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<tr>
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<td>✓</td>
<td>✓</td>
<td>15 mins</td>
<td>30 mins</td>
<td>10-50mm</td>
<td>1 hr</td>
<td>53N/mm² in 3 hrs</td>
<td>6.10N/mm² in 3 hrs</td>
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<td>15 mins</td>
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<td>10-50mm</td>
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<td>44N/mm² in 3 hrs</td>
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<td>9.5N/mm² in 3 hrs</td>
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<td>5-10 mins</td>
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<td>10-75mm</td>
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<td>7.41N/mm² in 1 hour</td>
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<td>15 mins</td>
<td>10-75mm</td>
<td>1 hr</td>
<td>25N/mm² in 1 hr</td>
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