

Highway Maintenance **Solutions**

Confidence. Innovation. Durability.

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.



Award Winning. Global. Experienced. Responsible. Employee and Client focused.

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.



Excellence as standard



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.

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.



Get in touch.

01827 254400

ultracrete@instarmac.co.uk

Product Acceptance Schemes

Trusted. Proven. Fit for Purpose.

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



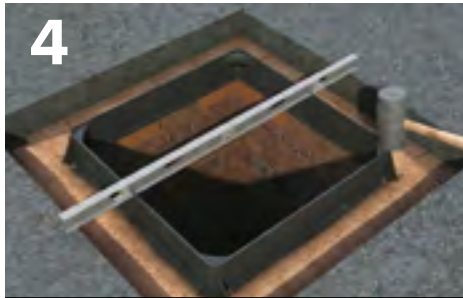
The picture frame is saw cut and excavated and the existing cover and frame removed

3



Old bedding mortar, loose bricks and debris are removed

4



UltraCrete bedding mortar (M60, Envirobred® HA104 or PY4) is placed on the supporting structure. The frame is lowered into position

5



Apply UltraCrete QC10 / QC10 F / Envirobred® 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

Bedding Mortars

Cementitious

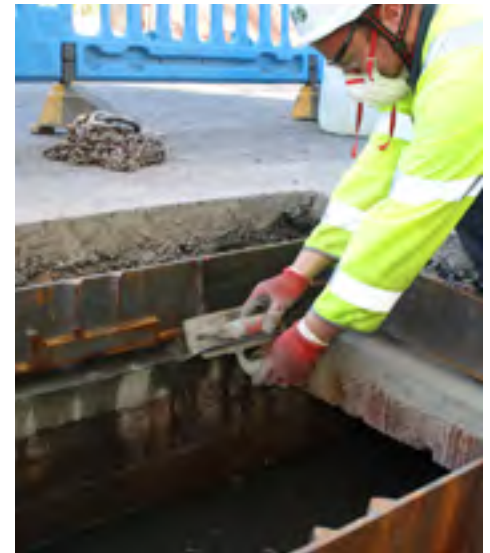


imagery supplied by aliveimages.co.uk

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.

Envirobed® 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



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



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



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



BBA HAPAS
approved since 2005



Conforms to HD27/15



Rapid strength gain



Open to traffic: 1 hour



Shrinkage compensated




Packaging

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

M60 F

Rapid Strength, Fibre Reinforced Bedding Mortar



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

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

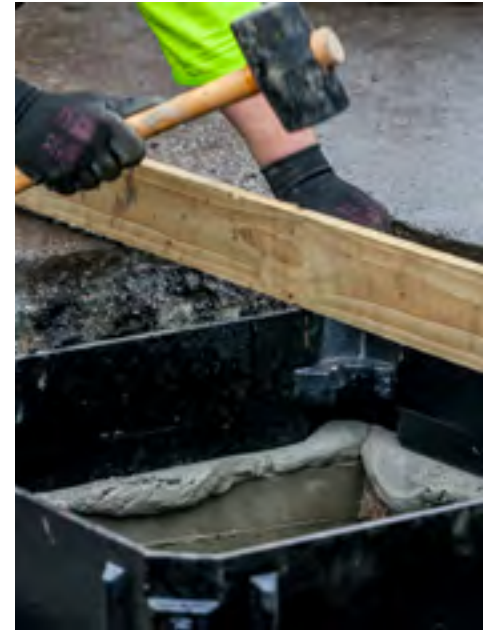


Packaging

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

M45

Rapid Strength, Bedding and Repair Mortar



Rapid strength gain



Conforms to HD27/15



Excellent workable consistency



Open to traffic:
45 minutes



Fast setting

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)

M90

All Purpose, Fast Set Mortar



All purpose



Conforms to HD27/15



Rapid strength gain



Economical



Open to traffic:
90 minutes

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)

Resin Mortars



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



Chemical resistant



Waterproof



Excellent bond strength 45N/mm^2

Ideal for bonding coping stones, aris 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/mm^2 compressive strength in 7 days
- ★ 22.4N/mm^2 flexural strength in 7 days
- ★ 15.6N/mm^2 tensile strength in 7 days



Packaging

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

PY4

Polyester Resin System



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

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

★ **Depth:** 5mm-50mm

★ **Set time:** 15 minutes

★ **7.41N/mm² tensile strength in 1 hour**



Packaging

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

PY5

Flowable Polyester Resin System



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

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)



High Specification Concretes

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.

QC10 F

Rapid Set Flowable Concrete



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



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



BBA HAPAS Approved
since 2005



Rapid set



Open to traffic: 2 hours

Designed for backfilling around manhole frames and gullies.

- ★ **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*



Packaging

- 25kg plastic bag
(56 units per pallet)

QC6

Surface Reinstatement Concrete



Shrinkage compensated



Excellent workability



Anti-vandal



Rapid set: 15 minutes

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

★ 57N/mm² compressive strength at 28 days



Packaging

• 25kg paper bag
(56 units per pallet)

• 25kg bucket
(40 units per pallet)

FLOWCON

Self-Compacting Concrete



Great for areas with limited access



High compressive strength 55N/mm^2



Flowable



Easily Transportable

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



Packaging

- 25kg plastic bag (56 units per pallet)

FTC

Fast Track Concrete



High Specification Concretes



66N/mm² compressive strength



Foot traffic: 2 hours



Fibre reinforced



Shrinkage compensated

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

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



Packaging

- 25kg paper bag
(56 units per pallet)

SUPER FIX

Single Part Post Mix



Light duty applications



Pre-blended



Rapid set: 15 minutes

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



Packaging

• 25kg paper bag
(56 units per pallet)

POST FIX

Rapid Hardening Concrete



Professional grade



Easy mix



Fast set



41N/mm² compressive strength

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

★ **Two-part mix**

★ **Set time:** 15 minutes



Packaging

- 25kg plastic bag
(56 units per pallet)

KERB AND PATCH REPAIR

Rapid Setting Kerb and Patch Repair



High strength



No waste



Open to traffic: 2 hours

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)

Cold Lay Asphalt Concrete



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



Manufactured using renewable
binder additives



PTS PAS Approved



Can be cored
after 24 hours



Contains renewable
binder materials



Innovative reactive
binder



Solvent free

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)

Tough Patch® 10MM

Permanent Cold Lay Surface Course



PTS PAS Approved



Can be cored
after 24 hours



Contains renewable
binder materials



Innovative reactive
binder



Solvent free

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

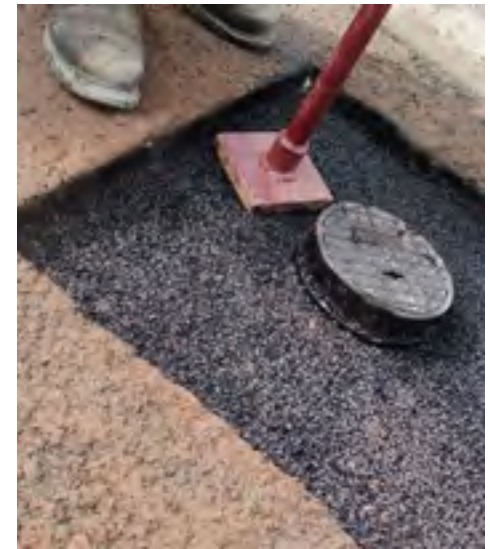


Packaging

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

INSTANT ROAD REPAIR 6MM

Cold Lay Asphalt Concrete



BBA HAPAS Approved since 2002



First time permanent



6mm grade



Instantly trafficable



No waste

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

UltraCrete Instant Road Repair® 6mm is satisfactory for use as a PCSM in accordance with Appendix A2.4 of the New Roads and Street Works Act 1991: Specification for the Reinstatement of Openings in Highways (SROH), Third Edition, April 2010.



Packaging

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

INSTANT ROAD REPAIR 10MM

Cold Lay Asphalt Concrete



BBA HAPAS Approved since 2002



First time permanent



10mm grade



Instantly trafficable



No waste

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

UltraCrete Instant Road Repair® 10mm is satisfactory for use as a PCSM and a PCSC in accordance with Appendix A2.4 of the New Roads and Street Works Act 1991: Specification for the Reinstatement of Openings in Highways (SROH), Third Edition, April 2010.



Packaging

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

PERMANENT POTHOLE REPAIR

Cold Lay Asphalt Concrete



BBA HAPAS Approved
since 2011



Instantly trafficable



No waste



Easy to use

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)

PERMANENT POTHOLE REPAIR WET

Cold Lay Asphalt Concrete



Made for use in the wet



Withstands hydraulic stress



Instantly trafficable



No waste

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



Packaging

- 25kg bucket
(52 units per pallet)

SCJ

Seal and Tack Coat Spray



BBA HAPAS Approved since 2005



Prevents water ingress



Prolongs the life of your repair



Improves bond

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)

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

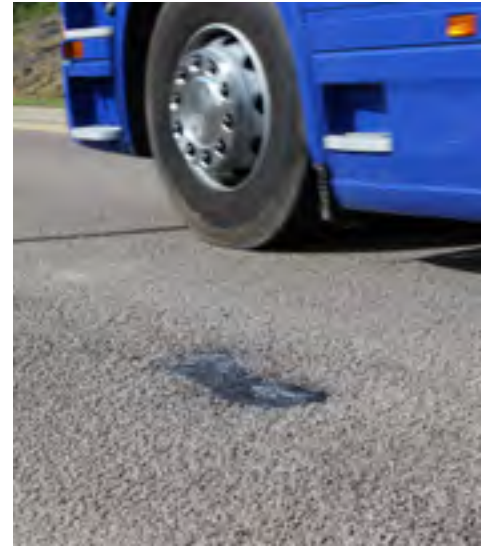
- 25kg plastic bag (54 units per pallet)
- 25kg bucket (30 units per pallet)
- 12.5kg bucket (56 units per pallet)

SURFACE DEFECT REPAIR

Heat Applied Surface Defect Repair System



**PREVENTION
IS BETTER
THAN CURE**



Preventative
maintenance



Prolongs the life
of your asset



Easy to use



No waste

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.



Packaging

- 12kg plastic bag
+ 1kg of glass beads
(66 units per pallet)



'Local Authorities agree that Permanent Pothole Repair is the proven choice for reactive and planned maintenance that really lasts!'

Coventry City Council
Essex County Council
Gatehead MC
Ashfield District Council
Greenwich London Borough
Harlow District Council
Leicester City Council
Lancashire Council
Gwynedd Council
Cheshire East Council
Rugby Borough Council
Sefton Council
Thurrock Borough Council
Oldham Metro Borough Council
Shropshire Council
Warwickshire County Council
Suffolk County Council
Worcester City Council
Oxford Council
Aberdeenshire Council
Durham County Council
Gravesham Borough Council
Walsall MBC
Wandsworth Borough Council
Knowsley Council
Havant Borough Council
Manchester City Council
Hull City Services
Preston City Council
Ryedale District Council
Bury MBC
Crawley District Council

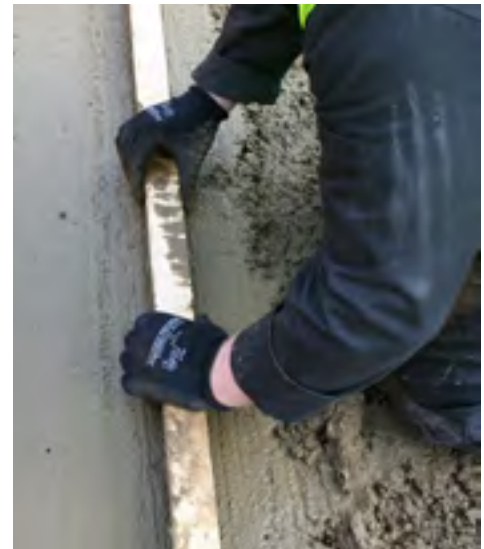
Construction Chemicals



Specialist products for grouting and cement concentrate admixture for on-site concrete / mortar / screeds.

RSC

Rapid Setting Cement



High strength



20N/mm² in 1 hour



Open to traffic: 1 hour



Cost effective

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)

HF

High Flow Precision Grout



Complies with the specification for Highway Works Clause 2601



High flow



High strength



Can be pumped or poured

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

★ Will not corrode or stain

★ 70N/mm² compressive strength at 28 days



Packaging

- 25kg paper bag
(56 units per pallet)



Ancillaries

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



HAPAS Approved
since 2012



No waste, cut as required



Prevents water ingress
immediately



Prolongs the life
of your repair

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
- ★ Manufactured using 100% recycled glass particles
- ★ Binder made from 70% renewable sources
- ★ Colour pigments are 100% organic

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)

INSTAGRIP

Anti-skid Patch Repair



Restores anti-skid



Set time: 1–2 hours



Complete kit! Contains everything you need to complete the job

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)

INSTALINE

Thermoplastic Road Marking



**Don't get caught out
by using inferior products!**



Anti-skid



Reflective



Easy application



No waste,
cut as required



Easy to store

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



Economical



No waste



Excellent adhesion



Durable

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

★ Available in a range of colours:
Yellow, White and Blue

★ Semi-permanent
– 3 month wear



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:

Product	Application	Compliance Number
M45 Rapid Strength Bedding and Repair Mortar	Bedding platform coping and kerbs	390
M60 Rapid Strength Bedding Mortar	Bedding platform coping and kerbs	391
M90 All Purpose Fast Set Mortar	Bedding platform coping and kerbs	392
Envirobed HA104® High Performance Bedding Mortar	For bedding ironwork in and around the station	2329
QC10 F Rapid Set Flowable Concrete	Concrete sleeper repair	2099
QC10 Rapid Strength Concrete	Signal installation	394
QC6 Surface Reinstatement Concrete	For surface and patch repairs	393
Post Fix Rapid Hardening Concrete	Perimeter fence and post installation	395
Instant Road Repair Cold Lay Asphalt Concrete 6mm and 10mm	For reinstatements in station car parks and bituminous areas	396
SCJ Seal and Tack Coat Spray	Sprayed to the surface, base and vertical edges before the application of asphalt	2314
HF High Precision Grout	Rail bolt installation	2712



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: LUAS Tramline, Dublin

Project: Surface repair to embedded track

Material used: UltraCrete QC10 F Flowable Fast Set Concrete



Site: Clapham Junction

Project: Reinstatement of recessed covers

Material: UltraCrete's Kerb and Patch repair



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



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

ultratilefix.co.uk

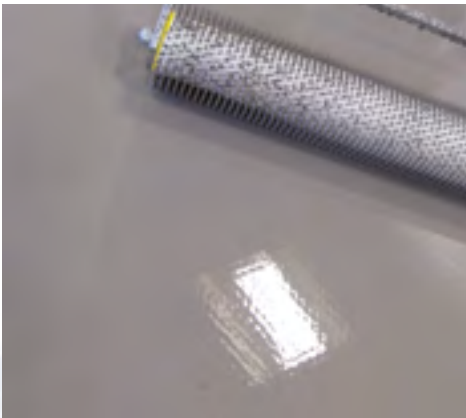


A range of bedding, priming and jointing materials that meet and exceed the strict demands of BS 7533; offering a paved construction life of over 40 years.

ultrascape.co.uk



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

ultra-floor.co.uk



Instarmac currently has over 50 licences 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.

instarmacinternational.com



The Benefits:

- Get it right first time
- Try out some innovative products
- Learn the correct application process
- Increase productivity
- Save money
- Eliminate repeat visits

Training and Site Support

Expertise. Knowledge. Confidence.

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

	Epoxy Bedding and Concrete Repair Mortar	Surface Reinstatement Concrete	Rapid Setting Patch and Kerb Repair	Cold Lay Asphalt Concrete				High Flow Precision Grout
	Resi-Bed	QC6	Kerb and Patch Repair	Tough Patch®		Permanent Pothole Repair	Permanent Pothole Repair WET	HF
				6mm	10mm			
PAS, Highways Approved				✓	✓	✓		
Conforms to HA104/09								
London Underground Approved		✓						
Workability at 20°C	30 mins	5-10mins	7 mins					60 mins
Set time at 20°C	90 mins	15 mins	25 mins					8 hrs
Depth (mm)	5-50mm	12-100mm		15-60mm	30-100mm	10-100mm	10-100mm	10-100mm
Open to traffic	6 hrs	4 hrs	2 hrs		instantly	instantly	instantly	24 hrs
Compressive strength	75N/mm ² in 7 days	57N/mm ² at 28 days	50N/mm ² at 28 days					70N/mm ² in 28 days
Tensile Strength	15.6N/mm ² in 7 days		8.09N/mm ² at 28 days					
Flexural strength	22.4N/mm ² in 7 days							
For more info see page:	16	22	27	29	30	33	34	41

	PAS APPROVED IRONWORK REINSTATEMENT SYSTEM										
	High Performance Bedding Mortar		Rapid Strength Bedding Mortar		Polyester Resin Bedding Mortar	Rapid Set Flowable Concrete	Rapid Strength Concrete	Cold Lay Asphalt Concrete		Cold Joint Seal and Tack Spray	Thermo Plastic Overbanding Tape
	Envirobed® HA104	Envirobed® HA104 Flowable	M60	M60 F	PY4	QC10 F	QC10	Instant Road Repair 6mm	Instant Road Repair 10mm	SCJ	Instaband ECO
Conforms to HA104/09	✓	✓			✓						
London Underground Approved	✓		✓			✓	✓	✓	✓	✓	
Workability at 20°C	15 mins	15 mins	5-10 mins	5-10 mins	5-10 mins	5-10 mins	5-10 mins				
Set time at 20°C	30 mins	30 mins	20 mins	20 mins	15 mins	10-20 mins	10-20 mins				
Depth (mm)	10-50mm	10- 50mm	10- 75mm	10-75mm	5 - 50mm	30-500mm	30-250mm	15-100mm	30-100mm		
Open to traffic	1 hr	1 hr	1 hr	1 hr	40 mins	90 mins	2 hrs	instantly	instantly		10 mins
Compressive strength	53N/mm ² in 3 hrs	44N/mm ² in 3 hrs	24N/mm ² in 1 hr	25N/mm ² in 1 hr	61.5N/mm ² in 1 hour	20N/mm ² in 90 mins	20N/mm ² in 2 hrs				
Tensile Strength	6.10N/mm ² in 3 hrs	5.5N/mm ² in 3 hrs			7.41N/mm ² in 1 hour						
Flexural strength	12N/mm ² in 3 hrs	9.5N/mm ² in 3 hrs									
For more info see page:	9	10	11	12	17	20	21	31	32	35	43





INSTARMAC[®]

Innovation, Confidence, Durability

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Unitclass	L2125		
CHSIB	(90.41)	Yq4	

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