

Highway Maintenance **Solutions**

Confidence. Innovation. Durability.

HAPAS Approved Manhole Reinstatement System

Bedding Mortars

High Specification Concretes

Cold Lay Asphalt Concretes

Construction Chemicals

Ancillaries



An **INSTARMAC**® Brand

ultracrete.co.uk



Contents

About us.....	3
HAPAS	5
Bedding Mortars	8
High Specification Concretes.....	19
Cold Lay Asphalt Concretes	28
Construction Chemicals.....	39
Ancillaries	42
UltraCrete for Rail.....	47
Training and Site Support.....	51

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 35 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 products 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) four 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.



An **INSTARMAC** Brand

Get in touch.

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HAPAS Scheme

Trusted. Proven. Fit for Purpose.
Right First Time.

The Highways Authority Product Approval Scheme was developed to offer clear, consistent and tested methods for products and systems designed for use in the highways industry. It provides local authorities and contractors with a definitive guide to highway maintenance, without having to undertake their own trials.

UltraCrete is the only manufacturer to offer a complete cementitious / resin based manhole reinstatement system that has HAPAS approval from the British Board of Agrément (BBA). The system comprises of a range of

bedding mortars, backfill flowable concrete, cold lay asphalt concrete and bitumen seal and tack coat spray that meet and exceed the demands of the HAPAS scheme.

All components offer, where appropriate, impressive tensile and compressive strengths and an extended service life with no risk of split liability. The materials' fast setting properties vastly reduce costs by allowing areas to be open to traffic in as little as 2 hours.

UltraCrete's HAPAS approved system is independently tested by a UKAS accredited laboratory to exceed a 5 year service life. Using repair materials that last help to keep your total cost of ownership to a minimum, and Instarmac has always

developed their materials with that philosophy in mind, producing products that are proven, trusted and durable to a world class standard and providing a first time permanent solution. Product training also plays a vital role in prolonging the life

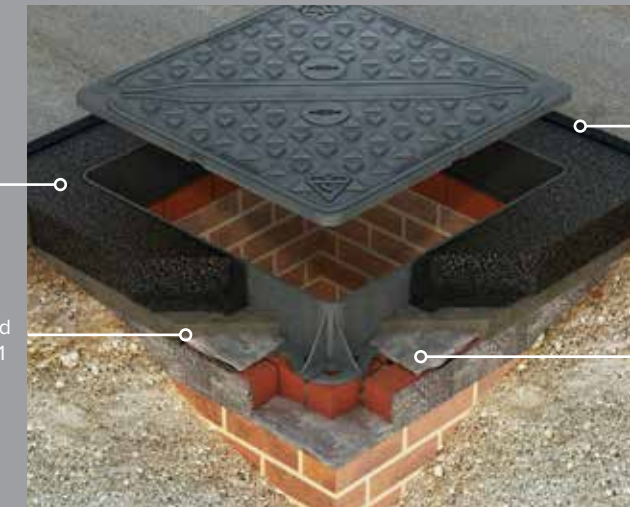
of your reinstatement; correct preparation and installation maximises the material's performance, which goes a long way in helping to reduce failures and whole life costs (see page 50 for further information on our training and site support).

HAPAS The System

Surface Finish:
SCJ Seal and Tack Coat Spray, see page 36

Instant Road Repair
Cold Lay Asphalt Concrete 6mm or 10mm, see pages 31–32

Backfill Concrete:
QC10 F Flowable Fast Set Rapid Strength Concrete, see page 21
QC10 Fast Set Rapid Strength Concrete, see page 22



Overbanding:
Instaband ECO Thermoplastic Skid Resistant Overbanding, see page 44

Bedding Mortar:
M60 Fast Setting Rapid Strength Bedding Mortar, see page 12
M60 F Rapid Strength, Fibre Reinforced Bedding Mortar, see page 13

Envirobed HA104® High Performance Bedding Mortar, see page 10

PY4 Polyester Resin Fast Setting Bedding Mortar, see page 18



The benefits:



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



Exceeds a 5 year service life with no risk of split liability



Trusted and widely used by Highways Contractors, Local Authorities and Utility Suppliers

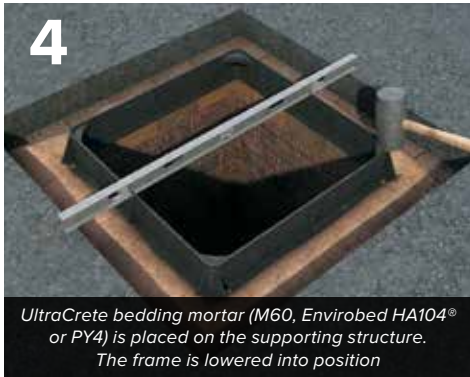
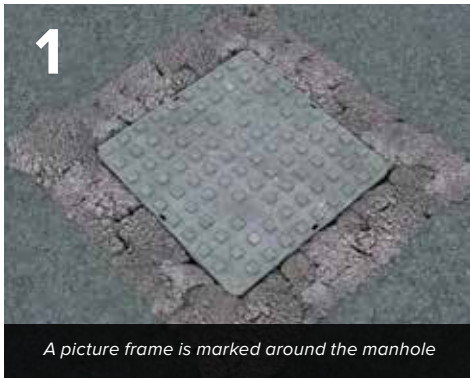


Allows sites to be open to traffic from break out to completion, in as little as 2 hours

HAPAS Scheme

Reinstating a manhole cover

Get it Right First Time
The following HAPAS approved installation method will ensure a right first time repair, reduced maintenance costs and extended service life.



Bedding Mortars

Cementitious



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 **HAPAS** approved, **HA104** and **BT 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



- ✓ HAPAS Approved since 2005
- ✓ 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	★ 12N/mm ² flexural strength in 3 hours
★ Set Time: 30 minutes	★ 6.10N/mm ² tensile strength in 3 hours
★ Depth: 10mm-50mm	★ No hazardous waste disposal
★ 53N/mm ² compressive strength in 3 hours	★ 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



- ✓ Conforms to HA104/09
- ✓ BT 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	★ 9.5N/mm ² flexural strength in 3 hours
★ Set Time: 30 minutes	★ 5.5N/mm ² tensile strength in 3 hours
★ Depth: 10mm-50mm	★ No hazardous waste disposal
★ 44N/mm ² compressive strength in 3 hours	★ Can be used in wet conditions and in temperatures as low as 1°C
★ Combines as a bedding mortar & back fill	

Packaging

- 18kg paper bag & 2.5l plastic bottle (48 units per pallet)

M60

Rapid Strength Bedding Mortar



- ✓ HAPAS approved since 2005
- ✓ Conforms to HD27/04
- ⌚ Rapid strength gain
- 🚗 Open to traffic: 1 hour
- ✓ Shrinkage compensated

M60 F

Rapid Strength, Fibre Reinforced Bedding Mortar



- ✓ Fibre reinforced
- ✓ Conforms to HD27/04
- ✓ Contains minimum 20% recycled material
- 🚗 Open to traffic: 1 hour
- ✓ Shrinkage compensated

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
- ★ 24N/mm² compressive strength in 60 minutes
- ★ Shrinkage compensated

Packaging

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

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 HD27/04
- Excellent workable consistency
- Open to traffic: 45 minutes
- Fast setting

M90

All Purpose, Fast Set Mortar



- General purpose
- Conforms to HD27/04
- Rapid strength gain
- Economical
- Open to traffic: 90 minutes

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)

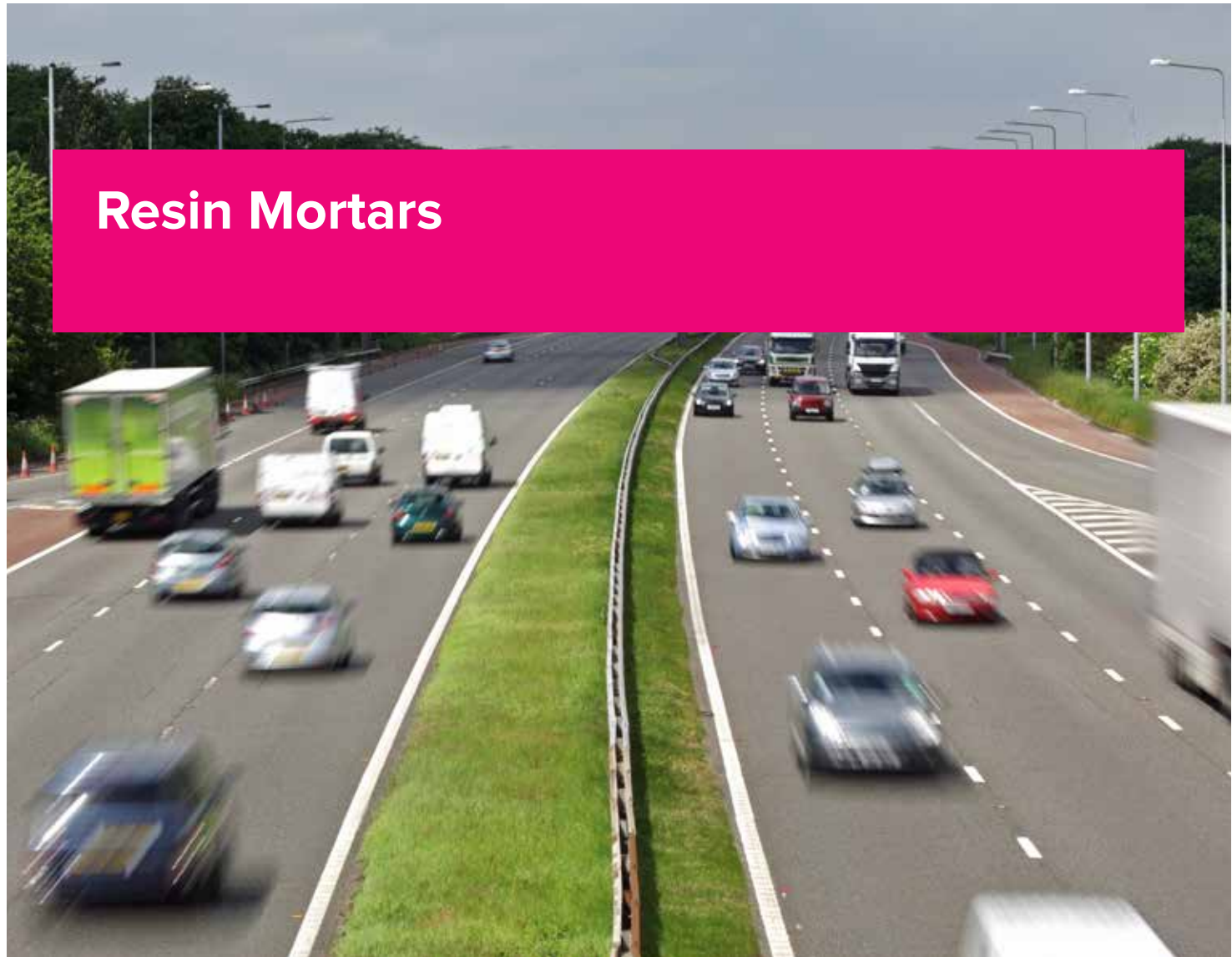
Ideal for bedding access covers and general repairs.

- ★ **Workability:** 5-10 minutes
- ★ **Set time:** 20 minutes
- ★ **Depth:** 10mm-75mm
- ★ 21N/mm² compressive strength in 2 hours



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



Rapid installation



Chemical resistant



Waterproof



Excellent bond strength 45N/mm²

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:** 5-50mm
- ★ 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)

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**



- ✓ **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**

 **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

QC10 F

Rapid Set Flowable Concrete



HAPAS Approved since 2005



Fibre modified



Rapid set



Open to traffic: 90 minutes

Our single and two-part concrete mixes cater for a range of light to heavy duty applications and include HAPAS approved, vandal proof, fast setting, early strength gain materials for back filling, surfacing and post installation.

A fibre modified concrete for backfilling around manhole frames and gullies and can also be used for surface repairs.

- ★ **Workability:** 5-10 minutes
- ★ **Set time:** 10-20 minutes
- ★ **Depth:** 30mm-500mm

- ★ 20N/mm² compressive strength after 90 minutes
- ★ Shrinkage Compensated



Packaging

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

QC10

Rapid Strength Concrete



HAPAS Approved since 2005

Rapid set

Open to traffic: 2 hours



Designed for thick section repairs, haunching reinstatements, ironwork backfilling and commercial sign/post installation.

★ 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*

*may affect performance

Packaging

• 25kg plastic bag (56 units per pallet)

• 25kg bucket (40 units per pallet)

QC6

Surface Reinstatement Concrete

BT APPROVED

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)

High Specification Concretes

21

22

Flowcon

Self-Compacting Concrete



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

High specification C40 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



- ✓ 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

★ Set time: 60 minutes

★ Depth: 10mm to 50mm

★ 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

★ **Set time:** 15 minutes

★ Two-part mix



Packaging

- 25kg plastic bag (56 units per pallet)

KERB AND PATCH REPAIR

Rapid Setting Patch and Kerb 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



HAPAS 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® RAPID

Hybrid Pothole Repair Solution



- ✓ Can be cored within 24 hours
- ✓ Skid and rut resistant
- ✓ High PSV aggregate
- ✓ Fine grade

Instant Road Repair 6mm

Cold Lay Asphalt Concrete



Use with Perma-Soil Stabiliser for an alternative reinstatement system that saves you money! See page 37



- ✓ HAPAS Approved since 2002
- ✓ First time permanent
- ✓ 6mm grade
- ✓ Instantly trafficable
- ✓ No waste

A hard wearing, fast setting, solution for the repair of defects on high speed roads, car parks, pavements and driveways.

- ★ Suitable for planned and reactive repairs
- ★ Easy to apply
- ★ No need to prime
- ★ Helps to reduce compensation claims.
- ★ Can be used in any weather

Packaging

- 25kg foil bag (56 units per pallet)

6mm Grade - For permanent repairs in footways, footpaths and cycle tracks.

- ★ Suitable for planned and reactive repairs
- ★ Depth: 15-100mm
- ★ Can be used in all weathers
- ★ Resealable tubs
- ★ Use with SCJ Seal and Tack spray for a permanent repair

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

Instant Road Repair 10mm

Cold Lay Asphalt Concrete



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

10mm Grade - 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 for a permanent repair

★ **Depth:** 30-100mm

★ 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 plastic bag
(56 units per pallet)

• 25kg bucket
(52 units per pallet)

Instant Road Repair Red

Cold Lay Asphalt Concrete



- ✓ HAPAS Approved since 2002
- ✓ First time permanent
- ✓ 6mm grade
- ✓ Instantly trafficable
- ✓ No waste

Ideal for permanent repairs to cushions and ramps, bus lanes, 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 for a permanent repair

★ **Depth:** 15-100mm

★ 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 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 for a permanent repair
- ★ SRV ≥ 88
- ★ **Depth:** 10mm-100mm
- ★ Resealable tubs



- ✓ HAPAS Approved since 2011
- ✓ Instantly trafficable
- ✓ No waste
- ✓ Easy to use

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

Packaging

- 25kg bucket (52 units per pallet)

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:** 10-100mm
- ★ Resealable tubs

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'.



- ✓ HAPAS Approved since 2005
- ✓ Prevents water ingress
- ✓ Prolongs the life of your repair
- ✓ Improves bond

Packaging

- 750ml aerosol can (12 cans per box)

Perma-Soil

Soil Stabiliser



- ✓ Appendix A9 approved
- ✓ 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**

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.



- ✓ Helps prevent potholes forming
- ✓ Durable
- ✓ Easy to use
- ✓ No waste

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



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:** 10-100mm
- ★ Will not corrode or stain
- ★ 70N/mm² compressive strength at 28 days



- ✓ 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)

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



Only HAPAS approved overbanding can be used on our highway network



- ✓ HAPAS Approved Since 2012
- ✓ No waste, cut as required
- ✓ Prevents water ingress immediately
- ✓ Prolongs the life of your repair

Designed for the application to 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
- ★ Fast installation
- ★ Open to traffic: 10 minutes

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

- ★ Elastic qualities accommodate thermal movement
- ★ 60 SRV

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
 - ★ No 'difficult to remove' plastic backing sheet
 - ★ 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*

-  **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

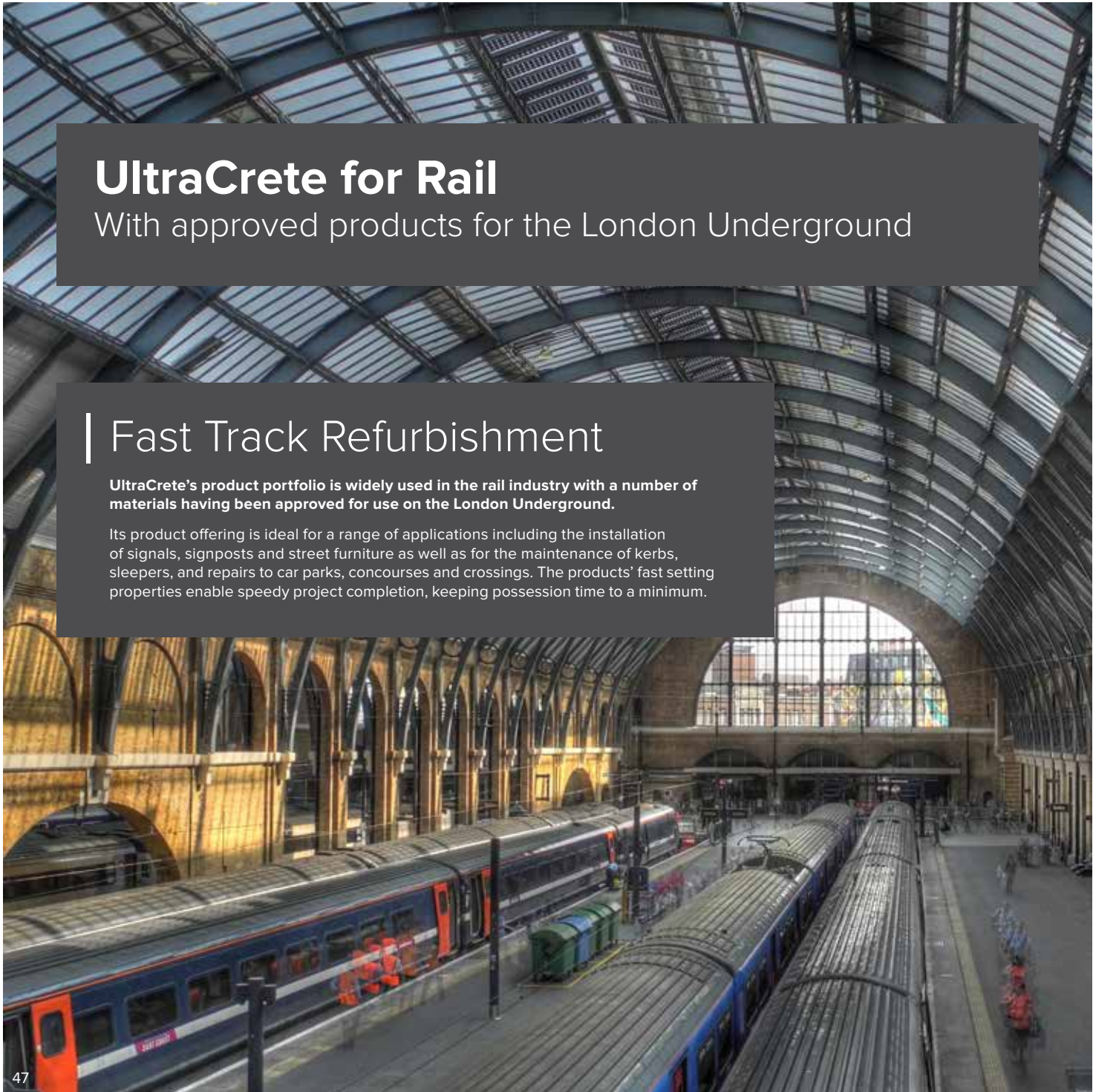
Line Marking Paint



- ✓ 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
 - ★ Semi-permanent – 3 month wear
 - ★ Available in a range of colours: *Yellow, White and Blue*

-  **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



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Our approvals list is constantly expanding, for an up-to-date list anytime, please contact UltraCrete on:

01827 871871



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: EP-R9 Epoxy Bedding & Concrete Repair Mortar



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!

ultratileadhesives.co.uk
granfix.co.uk

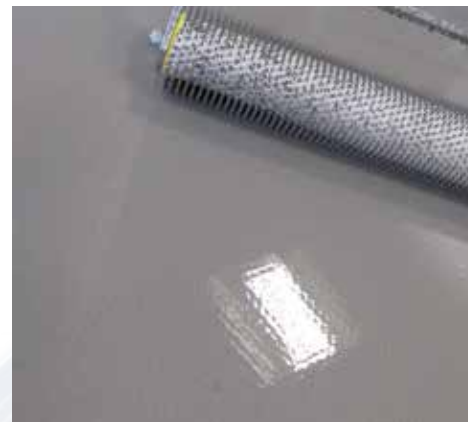


A range of bedding, priming and jointing materials that meet and exceed the strict demands of BS 7533; offering a paved construction life of over 40 years.

ultrascape.co.uk



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

istarmacinternational.com



network
riaicpd



The Benefits:

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

ULTRA
CRETE

An **INSTARMAC**® Brand | Quick Product Guide

ultracrete.co.uk

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 871871** 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 & Patch Repair	Permanent Pothole Repair	Permanent Pothole Repair WET	Tough Patch	HF
HAPAS 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	3 hrs	15 mins	25 mins				8 hrs
Depth (mm)	5-50mm	12-100mm		10-100mm	10-100mm	10-100mm (if greater than 100mm repair in 50mm stages)	10-100mm
Open to traffic	6 hrs	4 hrs	2 hrs	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:	17	23	28	35	34	30	42



	HAPAS 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	PY4	QC10 F	QC10	Instant Road Repair 6mm	Instant Road Repair 10mm	SCJ	Instaband ECO
HAPAS APPROVED	✓	Pending	✓	✓	✓	✓	✓	✓	✓	✓
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				
Set time at 20°C	30 mins	30 mins	20 mins	15 mins	10-20 mins	10-20 mins				
Depth (mm)	10-50mm	10- 50mm	10- 75mm	5 - 50mm	30-250mm	30-250mm	15-100mm	30-100mm		
Open to traffic	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	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:	10	11	12	18	21	22	31	32	36	44





An **INSTARMAC**® Brand

INSTARMAC®

Innovation, Confidence, Durability

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Vers 26.09.2016