



### Solrepair Product Range



Product	Description	Sizes	Coverage
Solplug - Wall Tie Sealing Compound	Solplug is a pre-blended cementitious wall tie sealing compound. The plastic shrinkage characteristics are low and the set compound affords a high level of resistance to sulphate and other chemical attack when fully cured. Solplug is a compound consisting of quality assured raw materials and specialist chemical modifiers designed to provide rapid set and anti-washout properties. The compound is chloride free.	8Kg	1 m3 of set compound requires 1.60 tonnes of dry powder
Solpatch - Rapid Set Repair Mortar	Solpatch is a blend of ordinary and specialist cements, high quality graded aggregates and a unique combination of polymers and admixtures. When mixed with water it produces a putty like mortar with an excellent wash out resistance and a powerful bond onto wet concrete substrates. Solpatch is available in colours grey and white. These can be blended to match most shades of concrete..	8Kg & 25Kg	25Kg will yield 13.5 litres of mortar
Solcem Epoxy Mortar - Epoxy Repair Mortar	Solcem Epoxy Repair Mortar is a high strength, trowel applied, three component epoxy resin-based mortar designed for rapid and permanent repairs to concrete and masonry surfaces. Solcem Epoxy Repair Mortar is a blend of epoxy resin, Polyamine curing agent, graded siliceous aggregates and colour pigments. The mixed material is applied to a suitably prepared and primed surface, and quickly cures to form a durable, abrasion and chemical resistant repair mortar.	12Kg	A 12 kg pack yields approx. 1.08m <sup>2</sup> at 5mm thickness
Soltank Super - Waterproof Coating For Concrete And Masonry	SOLTANK SUPER, when mixed with clean water, forms an extremely durable waterproof coating for concrete and masonry which is easily applied by a stiff hand brush, broom or spray. Both products may both be covered with a decorative finish or left uncovered.	20Kg	3kg powder /m <sup>2</sup> depending on substrate
Solcrackseal EPR - Epoxy Resin Crack Repair	Solcrackseal EPR is a two pack extremely low viscosity system especially formulated for gravity feeding or pressure injecting into fine cracks and fissures in concrete.	2Kg & 10Kg	1 Litre per Kg
Soltack K140 - Liquid Bitumen Tack Coat	K140 is a cold applied, liquid bitumen emulsion, used in the construction and repair of pavements, driveways, roads and highways. K140 is water based, ready to use and conforms to the requirements of BS 434: Part 1 and are applied in accordance with BS434: Part 2.	25 & 200 Litres	0.3-0.5 L/m <sup>2</sup>



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### Roadmaster DoT Compliant Concretes & Mortars



Product	Description	Pack Size	Coverage
Roadmaster Mortar	Roadmaster Mortar It is a general purpose mortar which can be opened to traffic after approximately 90 minutes under ambient conditions (18-22°C). Roadmaster Mortar is intended for bedding applications that require high early strength to help reduce construction and road closure time.	25Kg Bag	25Kg will yield 12.6 litres of mortar
Roadmaster Mortar Rapid	Roadmaster Mortar Rapid is a rapid set mortar which can be opened to traffic after approximately 60 minutes under ambient conditions (18-22°C) and complies with: Department of Transport HD 27/04 Design Manual for Roads and Bridges Vol 7 Sec 2 Clause 3.11 Mortars for bedding iron work such as manhole cover frames during repairs may be trafficked when the strength is expected to be 20N/mm <sup>2</sup> . For rapid construction, this strength should be achieved within 2 hours.	25Kg Bag	25Kg will yield 12.2 litres of mortar
Roadmaster Mortar Ultra	Roadmaster Mortar Ultra is a rapid set mortar which can be opened to traffic after approximately 30 minutes under ambient conditions (18-22°C) and complies with: Department of Transport HD 27/04 Design Manual for Roads and Bridges Vol 7 Sec 2 Clause 3.11 Mortars for bedding iron work such as manhole cover frames during repairs may be trafficked when the strength is expected to be 20N/mm <sup>2</sup> . For rapid construction, this strength should be achieved within 2 hours.	25Kg Bag	25Kg will yield 11.9 litres of mortar
Roadmaster Concrete	Roadmaster Concrete is used for the backfill of carriageway ironwork, post and barrier erection or bridge deck repair. Roadmaster Concrete has been independently tested by UK AS Labs for compliance to DoT: Highways Agency Spec. HD27/04.VOL 7.Sect 2.Part 4.Clause 3.11.	25Kg Bag	25 kg yields 12 litres of concrete
Roadmaster Flowing Concrete	Roadmaster Concrete Flowing is a pre-blended, cementitious, rapid setting concrete designed to compliment the Roadmaster range of bedding mortars for applications that include reinstatements in paths, concrete drives, flags and concrete fillets around valve boxes and iron works. Roadmaster Concrete Flowing has been independently tested by UKAS Labs for compliance to: Highways Agency Spec. HD27/04.VOL 7.Sect 2.Part 4.Clause 3.11.	25Kg Bag	25 kg yields 12 litres of concrete



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## Roadmaster DoT Compliant Concretes & Mortars



Product	Description	Pack Size	Coverage
Roadmaster Mortar Excel	<p>Roadmaster Mortar ExCeL is a rapid hardening, shrinkage compensated, easy to apply mortar that has been designed for use where time is at a premium. Roadmaster Mortar ExCeL is a blend of cements, selected sands and other additives designed to optimise and control the setting time and strength development of the material.</p> <p>Roadmaster Mortar ExCeL has been independently tested by UKAS Labs for compliance to DoT: Highways Agency Spec. HD27/04.VOL 7.Section 2. Part 4. Clause 3.11.</p>	25Kg Bag	Dependant upon application
Roadmaster Supapoint	Roadmaster Supapoint is a cementitious high strength, shrinkage compensated, easy to apply, flowing grout that has been designed for use where time is at a premium. Roadmaster Supapoint is a blend of cements and other additives designed to optimise and control the flow, setting time and strength development of the material.	25Kg Bag	25Kg will yield 16.9 litres of mortar
Roadmaster Low Temperature Mortar	Roadmaster Low Temperature Repair Mortar is a rapid set very low temperature mortar which can be used at temperatures down to minus 20°C; it is intended for concrete road pavement and cold store floor repair and can be opened to vehicle traffic at ambient temperatures of 5°C after 30 minutes.	25Kg Bag	25Kg will yield 11.7 litres of mortar
Roadmaster Post Fix	Postfix is specially designed and formulated to produce a high quality concrete for securing any type of post. Post Fix is the ideal solution for all post erecting applications.	20Kg Bag	Dependant upon Hole / Post Sizes.
Roadmaster Romag	RoMAG is a free flowing, non-shrink, high strength grout that can be used where superior performance and fast track application is required. RoMAG has been specially developed for use with open textured macadam to provide a composite topping that gives the combined advantages of a concrete slab and asphalt surface.	25Kg Bag	25 kg pack of RoMAG when mixed with 6.75 litres of water produces 0.015 m <sup>3</sup>



## INSTARMAC®

### Ultracrete Product Range



Ultracrete Product Range

Product	Description	Pack Size	Coverage
PY4 Manhole Bedding Mortar	Polyester Resin Fast Setting Bedding Mortar for Manholes. A two-part component, fast setting polyester resin mortar. Particularly suitable for the rapid installation and reinstatement of manhole frames, gully grates, kerbs and street furniture in heavily trafficked areas. Achieves 61.5N/mm <sup>2</sup> compressive and 7.41N/mm <sup>2</sup> tensile strengths after just 1 hour. Can be applied at 0°C.	25Kg Bag	25Kg will yield 12.5 litres of mortar
M60 Manhole Bedding Mortar	Fast Set, Rapid Strength Bedding Mortar for Manholes. Ultracrete's M60 is a HAPAS approved, rapid strength bedding mortar for use with all types of access covers, as well as for the rapid bonding of granite setts, flags, emergency repairs and the bedding of kerbs. M60 achieves a compressive strength of 24N/mm <sup>2</sup> at 20°C	25Kg Bag	25Kg will yield 12.5 litres of mortar
QC10 Rapid Strength Concrete	A fast setting, high performance, rapid strength concrete designed for backfill, thick section concrete repairs, haunching reinstatements and post and barrier erection. 22N/mm <sup>2</sup> compressive strength after 2 hours. Gains 5.5N/mm <sup>2</sup> flexural and 2.8N/mm <sup>2</sup> tensile strengths after 28 days.	25Kg Bag	25Kg will yield 12 litres of mortar
SCJ Spray Applied Bitumen Cold Joint Sealer & Tack Coat	A bitumen cold joint sealer & tack coat spray that is applied onto vertical edges and the surface base before the application of asphalt. It will increase the bond of the material to the substrate and waterproof the area. This will significantly enhance the reinstatement's performance, by preventing the ingress of water and the freeze/thaw effect	750ml Cans	N/A
IRR Instant Road Repair	Ultracrete Instant Road Repair (IRR) 3mm is a permanent pothole repair solution in roads, pavements, driveways and car parks. The benefit of the product, is it can be trafficked instantly in wet, freezing and hot conditions and at the same time is compatible with the existing flexible road surfaces.	25Kg Tub	1m <sup>2</sup> x 15mm (compacted)
PPR Permanet Pothole Repair	Ultracrete Permanent Pothole Repair, HAPAS approved by the BBA, requires minimal preparation as there is no need for mixing, priming or sealing. It is instantly traffickable and has enhanced workability enabling it to be used straight from the pack even in cold and wet conditions! It has a high skid resistance value of (SRV) 88 > for improved safety and exceptional durability.	25Kg Tub	1m <sup>2</sup> x 15mm (compacted)



## INSTARMAC®

### Ultracrete Product Range



Product	Description	Pack Size	Coverage
M45 Rapid Strength Bedding and Repair Mortar	A rapid strength bedding and repair mortar for use with all access covers. Its rapid set properties make it a reliable solution for emergency concrete road repairs, the levelling of covers, bedding of kerbs, coastal protection and tidal repair projects. Reaches a compressive strength of 20N/mm <sup>2</sup> in just 45 minutes.	25Kg Bag	25Kg will yield 12.5 litres of mortar
M90 General Purpose Fast Set Mortar	Ultracrete's all purpose fast set mortar, M90 is a cost effective manhole and access cover installations and for and for general repairs including the bedding of kerbs, flags, linear drainage, localised granite setts and cobbles and for repairs to brick work.	25Kg Bag	25Kg will yield 12.5 litres of mortar
Post Fix Rapid hardening Post Fix Concrete	A rapid hardening 10mm concrete formulated for sub-surface use in the fast and efficient installation of posts, signs, fences, telephone and electricity poles, street lighting columns, street furniture, speed cameras and road side barriers. A compressive strength of 41N/mm <sup>2</sup> is reached at 28 days.	25Kg Bag	25Kg will yield 12 litres of mortar
SCJ Spray Applied Bitumen Cold Joint Sealer & Tack Coat	A bitumen cold joint sealer & tack coat spray that is applied onto vertical edges and the surface base before the application of asphalt. It will increase the bond of the material to the substrate and waterproof the area. This will significantly enhance the reinstatement's performance, by preventing the ingress of water and the freeze/thaw effect	750ml Cans	N/A
RSC Extra Rapid Hardening Cement	A rapid set cement which, when mixed with site aggregates, produces fast setting, early high strength mortars or concrete. The exceptional performance gained from using design mixed based on RSC means the product is suitable for a whole range of concrete and mortar applications where early opening to traffic is essential. It is ideal for use on cable box floors, road crossings, sign and camera bases. Exceptional strength gain of up to 20N/mm <sup>2</sup> can be achieved in an hour	20kg Bag	Approx 1m <sup>2</sup> @ 40mm = 3 bags of preblended concrete



## PAREX

### Highway Repair Products

Parex - Highway Repair

Product	Description	Pack Size	Yield
Highway CA45	Highway CA45 is a pre-mixed cement based non-shrink bedding mortar suitable for the support of road ironwork and highway furniture. The mixed mortar, when placed, will harden in approximately 10 minutes. The compressive strength gain will reach 20N/mm <sup>2</sup> within 45minutes allowing early opening of roads to vehicular traffic.	25Kg Bag	25kg bag of Highway CA45 yields approx 12.75 litres.
Highway CA1	Highway CA1 is a pre-mixed cement based non-shrink bedding mortar suitable for the support of road ironwork and highway furniture. The mixed mortar, when placed, will harden in approximately 10 minutes. The compressive strength gain will reach 20N/mm <sup>2</sup> within 1 hour allowing early opening of roads to vehicular traffic.	25Kg Bag	25kg yields 12.5 litres of Concrete
Highway C2	Highway C2 is a pre-mixed Portland cement based nonshrink bedding mortar suitable, for the support of road ironwork and highway furniture. The mixed mortar, when placed, will harden in approximately 10 minutes. The compressive strength gain will reach 20N/mm <sup>2</sup> within 2 hour allowing early opening of roads to vehicular traffic.	25Kg Bag	25kg yields 12.5 litres of Concrete
Highway Fast Patch	Highway Fast Patch is a two component product, supplied as a pre-mixed Portland cement based non-shrink powder component plus a co-polymer latex gauging liquid. The compressive strength gain will reach 10N/mm <sup>2</sup> within 1 hour allowing for foot traffic. Vehicular traffic strength of 20N/mm <sup>2</sup> will be typically obtained within 4 hours.	10Kg Combined Units	5 litres of mixed material
Highway FSC6	A single pack pre-mixed Portland cement based non-shrink concrete suitable for thick section placing where rapid early strength gain is required. It can be used for the support of road ironwork and highway furniture, barriers and stanchion posts. The mixed concrete, when placed, will harden in approximately 10 minutes. Compressive strength will reach 20N/mm <sup>2</sup> within two hours.	25Kg	25kg yields 12.5 litres of Concrete
Highway FSC10	FSC-10 is a pre-packaged special cement based concrete containing graded aggregates and non-shrink additives. FSC-10 is supplied to site ready to use only requiring the addition of mixing water to produce a medium workability high strength durable concrete. The mixed concrete, when placed, will harden in approximately 10 minutes and reach initial set in approximately 15 minutes. FSC-10 can be placed in a single pass from 30mm to 400mm	25Kg	25kg yields 12 litres of Concrete



# PAREX

## Highway Repair Products

Product	Description	Pack Size	Yield
Highway Super C	Super C is a self contained product only needing to be mixed with water on site to produce a firm mortar. The product is chloride free and can be safely used with cast iron and steel units. The mortar can be placed in sections of 20mm to 50mm in thickness and greater thicknesses can be built up in layers. After placement no special curing is required in moderate ambient conditions	25Kg Bag	25kg yields 11.5 litres of Concrete
Highway T-10 Rapid Setting Concrete	T-10 is supplied to site ready to use, only requiring the addition of mixing water to produce a stiff rapid hardening concrete. The mixed concrete, when placed, will harden in approximately 5 minutes and reach initial set in approximately 10 minutes, depending upon climatic conditions. T-10 can be placed in a single pass from 30mm to 500mm. Thicker sections can be achieved by placing additional layers once the preceding layer has reached initial set.	25Kg Bag	25kg yields 11.5 litres of Concrete
Highway Framefix Mortar UF	Highway Framefix Mortar UF is a pre-mixed Portland cement based non- shrink bedding mortar suitable for the support of road ironwork and highway furniture. The mixed mortar, when placed, will harden in approximately 15 minutes. The compressive strength gain will reach 20N/mm <sup>2</sup> within 1 hour allowing early opening of roads to vehicular traffic. At three hours the compressive strength will exceed 50 N/mm <sup>2</sup> and the tensile strength will exceed 5 N/mm <sup>2</sup> conforming to the DTI Design Manual for Roads and Bridges: Mortars for the Bedding of Iron Work (HA 104/09).	25Kg Bag	25kg yields 12 litres of Concrete
Highway Framefix Grout	Framefix Grout is a polyester resin based material used for grouting where rapid early strength development is required. The mixed grout will harden to give rapid strength gain reaching 60N/mm <sup>2</sup> in 1 hour allowing opening to vehicular traffic	25Kg Combined Pack	25kg yields 12.5 litres of Grout
Highway Framefix Mortar	Framefix Mortar is polyester resin based material used for the bedding and leveling of all types of frames in vehicular road surfaces. The mixed mortar will harden to give rapid strength gain reaching 52N/mm <sup>2</sup> in 1 hour allowing road opening to vehicular traffic. Framefix Mortar complies with Highways Agency Advice Note 104/09 Design Manual for Roads and Bridges	25Kg	25kg yields 12.5 litres of Mortar
Highway Kerbfix	Parex Kerbfix is a hand-applied polyester mortar used for the bedding and fixing of paving units where same day trafficking and/or exceptional bond is required.	14Kg Box	14kg yields 7 litres of Mortar



### Highway Repair Products

Product	Description	Pack Size	Yield
Mapegrout SV	Quick-setting and hardening, compensated-shrinkage hi-flow mortar for repairing concrete and fixing drains, manholes and urban architectural fittings in place. EN 1504-3 - class R4 structural mortar.	25Kg Bag	20kg per m <sup>2</sup>
Mapegrout SV T	Quick-setting, shrinkage-controlled, thixotropic mortar for repairing concrete, fixing drains, manholes and urban fixtures. Mapegrout SV T is used for repairing highly deteriorated in-situ concrete elements, both vertical and horizontal, without the use of formwork. The rapid hardening properties of Mapegrout SV T are particularly suitable for reinstating, inspection wells, manholes and drain covers. EN 1504-3 - class R4 structural mortar.	25Kg Bag	20kg per m <sup>2</sup>
Mapegrout Hi-Flow Fibre	Controlled-shrinkage fibre-reinforced fluid grout for concrete repair. Use Mapegrout Hi-Flow for all concrete repairs that require the use of fluid mortars, such as reinforced concrete beams and columns and floors. Made from cement binders, graded aggregate, special additives and synthetic fibres.	25Kg Bag	20kg per m <sup>2</sup>
Mapefloor EP 19	Three-component acid-resistant epoxy mortar for thick applications. Mapefloor EP19 is used as an acid-resistant, wear-resistant protection of concrete structures, for example bearings for crane and bridge crane runways, beds for sewage treatment machinery, ramps, etc. Mapefloor EP19 is suitable for rebuilding the corners of expansion joints in damaged industrial concrete flooring due to the impact of trucks, forklifts, etc.	10Kg (A+B+C)	20kg per m <sup>2</sup>




### Highway Repair Products

Product	Description	Pack Size	Yield
Densoband	A hot applied preformed sealing strip for sealing joints between asphalt to asphalt, concrete and road castings in road construction and bridge expansion joints. It is also used for airport runway joints and light railway/tram construction to form a flexible seal between the track and the surrounding asphalt.	8mm x 45mm x 12m 15mm x 45mm x 6.5m	N/A





## Highway Repair Products

Product	Description	Pack Size
Fischer Express Cement Premium	The ready-to-use, sprayable joint mortar. Good adhesion even on slightly damp substrates practically allows for all-weather work and prevents forced interruptions. The structure of the high-quality water-based polymer has been perfectly designed with the visual appearance of the mortar in mind. This ensures a discreet joint and perfect appearance.	310ml 

## SHIMPAC<sup>®</sup>

Product	Description	Pack Size
ShimPack Planks & Collars	SHIMPAC planks and collars can provide a final reinstatement / adjustment to carriageway and footpath ironwork as an alternative to using quarry tiles, brick slips or cut bricks in conjunction with sand and cement mortar or fast setting mortar. Shimpac Approved for use by utility companies and Highway Authorities. Shimpac Complies with requirements of the Highway Agency Specification	A full range of Plank & Collar sizes in various thicknesses are available.

### Applications

- Carriageway and footpath ironwork support
- Manhole frames and covers
- Gully gratings
- Hydrant and sluice valve boxes
- Stop tap, rodding eye and cable TV boxes



