

- simply mixed, long lasting.

At Fosroc we understand that **time** is a key factor in highway reinstatement. In order to minimise traffic disruption, the job needs to be finished from breakout to completion in the shortest time possible.

The FOSROC* XR Highway Maintenance System is specifically designed with the contractor in mind. As well as being formulated to cure to a high level of strength quickly, FOSROC* XR mortars and concretes are designed to be easy to mix and apply. Packs are pre-mixed, only requiring the addition of water and are workable enough to be mixed by gloved hand or machine. This makes it easy for the user and reduces the overall job time.

FOSROC^a XR 45 and FOSROC^a XR 90 are also available in handy 25kg (18litre) buckets so that the water can be simply added to the pack.

		FOSROC [®] XR 45	FOSROC [®] XR 90	FOSROC [®] XR PE20	FOSROC [®] XR RSC	FOSROC [®] XR Cobbleset
	Pack size/ weight	25kg bag or 25kg bucket	25kg bag or 25kg bucket	15kg bucket	25kg bag	25kg bag
9	Water addition per pack	Up to 3.5litres	Up to 3.3llitres	n/a One can resin per pack	Trowelable 2-2.4l Flowable 2.5-2.7l	Up to 3.7Ilitres
	Yield	12.5litres	12.3litres	6 litres	12.1litres	12.5litres
	Working life	5-10 mins	5-12 mins	5-10 mins	5-10 mins	5-15 mins



Strength is key a feature of the FOSROC* XR Highway Maintenance System. While the products are simply mixed and applied, you need to be sure that the job has been done right. FOSROC XR products are designed to give high compressive strength early, at high and low temperatures. This means that you can be confident that sufficient strength has been reached to ensure the repairs can be trafficked safely whatever the ambient temperature. More importantly, the FOSROC^a XR products are **durable** and long lasting, meaning that once the repairs have been made they retain their

■ FOSROC[®] XR products conform to Department of Transport Specification HD 27/94. Design Manual for Roads and Bridges Vol 7 Section 2:

'3.11 Mortars for bedding ironwork such as manhole cover frames during repairs may be trafficked when the stregth is expected to be 20N/mm2. For rapid construction, this strength should be achieved within 2 hours'

	FOSROC [®] XR 45	FOSROC [®] XR 90	FOSROC [®] XR PE20	FOSROC [®] XR RSC
npressive ngth 0°C	20N/mm ² in 45 mins	20N/mm ² in 90 mins	50N/mm ² in 60 mins	20N/mm ² in 60 mins



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Who we are

Fosroc is one of the world's leading suppliers of specialist construction chemicals. With over 70 years experience of developing mortars, concretes and maintenance products for the construction industry, Fosroc offers high quality and unrivalled technical expertise to ensure the job gets done.

Fosroc has used its wealth of experience to develop a range of highway maintenance products, designed with you in mind. The FOSROC" XR Highway Maintenance System is a complete system of mortars and grouts that are robust and easy to use. From fast-setting mortars to concretes and ancillaries, FOSROC* XR products are specifically designed to be y mixed and applied, allowing you to get the job done properly first time - every tin

With established distribution centres in the UK and a worldwide presence in more than 20 countries Fosroc offers easily accessible products and excellent technical support.

For more infromation about Fosroc and the FOSROC[®] XR Highway Maintenance System, contact one of our UK centres.

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Fosroc Scotland



constructive solutions



Highway Maintenance System



















FOSROC" XR is a series of products designed for the fast and long-lasting reinstatement of roads and highways.

FOSROC* XR offers a comprehensive system that meets a variety of highway maintenance needs.

From levelling and installation of ironwork, concrete repair and instant road repair, to paving installation and line marking, FOSROC* XR is a complete solution that allows the job to be done quickly and effectively first time - every time.

FOSROC XR 45 and XR 90 bedding mortars are designed to give high early strength to help minimise road closure times, while FOSROC XR PE20 polyester resin mortar gives exceptional durability for ironwork that is heavily trafficked. All are formulated to cure at high and low temperatures, meaning effective application all year round.

FOSROC* XR RSC provides emergency reinstatement of concrete roads and pathways, while FOSROC' XR Cobbleset paving grout is specifically designed for granite setts typically used in pedestrianised zones.

All FOSROC^a XR products are formulated in accordance with Department of Transport Specification. In addition, Fosroc offers world class technical support to specifiers and users of its products.

For further information about FOSROC* XR and other products please contact us for a fast and expert service.

FOSROC ^{fi} XR 45 BEDDING AND REPAIR MORTAR	FOSROC ^{fi} XR 90 GENERAL PURPOSE FAST-SET MORTAR	FOSROC ^{fi} XR PE20 POLYESTER RESIN MORTAR	FOSROC ^{fi} XR RSC RAPID SETTING CONCRETE	FOSROCE XR COBBLESET PAVING GROUT	FOSROC ^{fi} LOKFIX RESIN ANCHOR GROUT
Installation and levelling of street ironwork, especially where time is at a premium. Ideal where interruptions to traffic flow must be minimised. Bedding/levelling of manhole frames Emergency concrete repairs Fixing signposts and street furniture Bedding gulley grates and frames Tidal repair projects	Installation and levelling of street ironwork and applications which require high early strength to help reduce road closure times. Can be used for emergency and general concrete repairs. Bedding/levelling of manhole frames Emergency concrete repairs Fixing signposts and street furniture Bedding gulley grates and frames	Bedding and installation of manhole frames on Type 1 & 2 carriageways. Where rapid installation and minimum delay are of importance. Bedding and fixing kerbstones Ideally suited for the repair and re-profiling of precast concrete units May be applied in thicknesses of 5mm to 75mm	Emergency reinstatement of patches in concrete pavements, airport aprons, roadways and reinstatement around manhole access covers. Secure manhole frames Concrete reinstatement/backfill Emergency concrete repair Reinforcing street furniture Tidal repair projects	Rapid pointing of granite setts, pre-cast concrete stone paviours and slabs. Ideal for busy pedestrianised areas and where minimum public disruption is required. Pointing of granite setts Fixings bollards and street furniture Grouting beneath signpost base plates	High strength corrosion resistant anchoring of bolts where high speed installation and early application of load is required. MoT bolts Fixing barriers and lamposts Base plates Reinforcement bars
Rapid strength gain – will accept traffic in 45 minutes Pre-mixed and packed material which only requires the addition of clean water Cost effective in comparison with resin mortars Shrinkage compensated formulation Part bags may be mixed Mixed by hand or mechanical mixing Manufactured under an approved BS EN ISO 9000 Quality System	Rapid strength gain – will accept traffic in 120 minutes Pre-mixed and packed material which only requires the addition of clean water Less expensive than epoxy and polyester resin mortars Shrinkage compensated formulation. Part bags may be mixed Mixed by gloved hand or mechanically Manufactured under an approved BS EN ISO 9000 Quality System Easy to use	Fast development of strength minimises disruption Versatile mix part packs to consistency required No primer required High chemical and oil resistance Will cure down to 0°C Manufactured under an approved BS EN ISO 9000 Quality System Mixed by gloved hand or mechanically High flexural and tensile strengths	 Rapid strength gain – will accept traffic in 60 minutes Pre-mixed and bagged material which only requires the addition of clean water High strength. Abrasion and weather resistant Shrinkage compensated formulation Self compacting, eliminating honeycombing and voids Mixed by gloved hand or mechanically Manufactured under an approved BS EN ISO 9000 Quality System 	Rapid strength gain – will accept foot traffic in 30 minutes Pre-mixed and bagged material which only requires the addition of clean water Excellent bond strength Shrinkage compensated formulation Easy to use Manufactured under an approved BS EN ISO 9000 Quality System	 Easy to mix and apply Rapid strength gain Vibration resistant Corrosion resistant Non-expansive Increased flowability Can be placed underwater Tested in accordance with BS 5080, BS 7861and BS 6316
Compressive strength @ 20°C	Compressive strength @ 20°C	Compressive strength @ 20°C	Compressive strength @ 20°C 60 mins: 20N/mm² 7 days: >50N/mm² 28 days >60N/mm² Working life Setting time Return to service Fresh wet density 60 mins 10-15 mins 60 mins 2200Kg/m³	Compressive strength @ 20°C	Compressive strength @ 20°C

SROC

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