New Guard Coatings Group

A global reputation to protect.

The information herewith is given with the best of New Guard Coatings Group knowledge.

Rights are reserved to change and update the data without notice.

This information is not exhaustive and it is the user's responsibility to ensure that this data sheet is the most current by contacting their local New Guard Coatings Group branch prior to using the coating/product.

Fosroc® Patchroc 250

constructive solutions

Versatile, fast setting micro-concrete for thick section patch repairs to concrete carriageways, pavements, floors, columns and beams. BS EN 1504-3 Class R4 approval.

Uses

For rapid and permanent reinstatement of discrete thick section areas in concrete carriageways, pavements, airport aprons, access ramps, floors, columns and beams.

Fosroc Patchroc 250 has a unique cement chemistry to rapidly reinstate thick sections of concrete without excessive heat generation and associated cracking. Particularly useful when interruption of traffic must be minimised.

Patchroc 250 is suitable for repair methods 3.1, 3.2, 4.4, 7.1 and 7.2, as defined by BS EN 1504-3.

Patchroc 250 forms part of Fosroc's Rapid Return to Service (RR2S) offer.

Advantages

- Rapid strength gain — will generally accept traffic in 2 hours at 20°C reducing downtime.
- Versatile - consistency can be adjusted to suit the application.
- High strength, abrasion and weather resistance, making it ideal for external works
- May be left as a trafficable finish
- Suitable to be overlaid with compatible deck membranes and coatings when the moisture content is <6%, typically 3-4 hours after final setting
- One component, pre-bagged to overcome site- batched variations requires only the site addition of clean water
- Does not normally require a primer to achieve high bond strengths
- Shrinkage compensation ensures no cracking
- Controlled heat of hydration minimizes risk of thermal cracking, even in thick sections
- Contains no chloride admixtures
- Suitable for use with Cathodic Protection systems

Description

Patchroc 250 is supplied as a ready to use blend of dry powders which requires only the site addition of clean water to produce a highly consistent repair mortar.

It is based on Portland cements, graded aggregates, and chemical additives providing a unique blend with good handling characteristics while minimising water demand. The low water requirement ensures rapid strength gain and long-term durability.

Patchroc 250 may be applied in depths between 25 and 250mm in bays of up to 4m^2. Larger areas can be reinstated using a chequer-board "hit and miss" approach.

When used with a low water content, Patchroc 250 is designed for horizontal use, though it can be applied at gradients up to 2.5%.

When used with a high water content, Patchroc 250 becomes flowable and can be applied into shuttered areas of congested reinforcement such as beams and columns.

The product is alkaline in nature and will protect embedded steel reinforcement. It may be used internally and externally.

CE
0370

Fosroc International Limited
Drayton Manor Business Park, Coleshill Road, Tamworth, B78 3XN, UK
18
DOP: UK9- 206
0370-CPR-0845

Patchroc 250

BS EN 1504-3
Structural and non-structural repair methods 3, 4 and 7

Compressive strength	Class R4 (> 45 MPa)
Chloride ion content	≤ 0.05 %
Adhesive strength by pull-off test	≥ 2.0 MPa
Thermal compatibility: freeze-thaw cycling with immersion	≥ 2.0 MPa
Carbonation resistance	Pass
Elastic modulus in compression	≥20 GPa
Capillary absorption	0.5 kg / ($m^{-2}.h^{-0.5}$)
Reaction to fire	Class A1
Dangerous substances	Complies with 5.4

Fosroc® Patchroc 250

Properties

The following results were obtained at a temperature of 20°C unless otherwise stated.

Test method	Standard	BS EN 1504 R4 Requirement	Test result (water : powder ratio of 0.10)	Test result (water : powder ratio of 0.144)
Compressive Strength	EN 12190:1999	≥ 45 MPa at 28 days	20 MPa @ 2 hours** 45 MPa @ 1 day 55 MPa @ 7 days 60 MPa @ 28 days	10 MPa @ 2 hours** 29 MPa @ 1 day 39 MPa @ 7 days 48 MPa @ 28 days
Bond strength by pull off:	EN 1542:1999	≥ 2.0 MPa	2.4MPa	2.7 MPa
Chloride ion content:	EN 1015-17:2000	≤ 0.05 %	0.03%	
Freeze thaw cycling:	EN 13687-1:2002	≥ 2.0 MPa	2.2MPa	2.4 MPa
Resistance to carbonation d_k	EN 13295:2005	≤ ref concrete	Dk< reference concrete MC(0.45)	
Capillary absorption	EN 1305:2002	≥ 0.5kg/(m^2.$h^{0.5}$)	0.05kg/(m^2.$h^{0.5}$)	0.1kg/(m^2.$h^{0.5}$)
Elastic Modulus in Compression	EN13412:2008	≥ 20 GPa	33.3GPa	32.6 GPa
Fire rating	EN 13505-1		Class A1 Non-Combustible	
Flexural strength	EN12190:1999	-	8.2N/mm^2 at 28 days	Not tested
Resistivity			Not tested	10 – 15 k.ohm.cm
Setting time	BS 4551 Pt 14:1980	-	Initial set: Final set:	40 mins 60 mins
Working life	-	-	10°C: 20°C:	60 mins 30 mins
Traffic time **Pedestrian:** **Light traffic:**	-	-	10°C / 20°C 2 hours / 1.5 hours 2.5 hours / 2 hours	Not applicable
Workability	EN13395-1:2002	-	120mm (10 min)	Not applicable
Chemical resistance	-	-	The low permeability of Patchroc 250 retards chemical attack in aggressive environments. The cured mortar restricts permeation of acid gases, waterborne chloride ions and oxygen.	
Build Characteristics. **Minimum thickness:** **Maximum thickness:** **Maximum individual bay area:**	 - - -	 - - -	 25 mm 250 mm 4 m^2	

****** To give a more accurate representation of site strengths, early age test samples were cured at a temperature equivalent to the exotherm generated from whole bag mixes.

Clarification of property values: The typical properties given above are derived from laboratory testing. Results derived from field applied samples may vary.

Specification Clause

The repair mortar shall be Patchroc 250, a one component rapid strength gain micro-concrete conforming to the requirements of BS EN 1504-3 Class R4 suitable for thicknesses between 25mm and 250mm generally. At a trowellable consistency for horizontal applications, the cured material shall be able to achieve a compressive strength of 30 MPa at 3 hours, 50MPa at 28 days and a drying shrinkage of <300 micro-strain at 7 days. The product shall be mixed, applied and cured in accordance with the manufacturer's written instructions to a correctly prepared substrate

Standards compliance

Patchroc 250 complies with the classification R4 according to BS EN 1504-3, repair methods 3.1, 3.2, 4.4, 7.1 and 7.2

Fosroc® Patchroc 250

Application Instructions

Preparation

*Angle form the edges of the repair to provide a defined straight edge to a depth of at least 12mm, feather edging must be avoided.

Subsequently, break out the complete repair area to a total minimum depth of 25mm (i.e. >13mm in addition to the angle formed edge).

Clean the surface and remove any dust, unsound or contaminated material, plaster, oil, paint, grease, corrosion deposits or algae. Where breaking out is not required, roughen the surface and remove any laitance by light scabbling or abrasive-blasting.

Oil and grease deposits should be removed by steam cleaning, detergent scrubbing or the use of a proprietary degreaser. The effectiveness of decontamination should then be assessed by a pull-off test.

Expose fully any corroded steel in the repair area and remove all loose scale and corrosion deposits. Steel should be cleaned to a bright condition paying particular attention to the back of exposed steel bars. Abrasive blasting, hydrodem equipment, powered mechanical scraping or other suitable means is recommended for this process.

Where corrosion has occurred due to the presence of chlorides, the steel should be high-pressure washed with clean water immediately after abrasive-blasting to remove corrosion products from pits and imperfections within its surface.

If using Patchroc 250 within formwork on columns or beams, the formwork should include drainage outlets for pre-soaking and, if beneath a soffit, provision for air-venting. Provision must also be made for suitable access points to pour the mixed micro-concrete into place.

*(Refer to HSE information sheet CIS36 regarding control of exposure to construction dust, available at www.hse.gov.uk

Reinforcing steel priming

Apply one full coat of Nitoprime Zincrich Plus and allow this to dry before continuing. If any doubt exists about having achieved an unbroken coating, a second application should be made and, again, allowed to dry before continuing.

Substrate Conditioning

The concrete substrate should be saturated surface dry immediately before the application of Patchroc 250. This is best achieved by filling the prepared areas to be repaired with clean water. Immediately prior to the application of Patchroc 250, any excess water should be removed.

Under severe drying conditions repeated soaking may be necessary to ensure the substrate is still saturated at the time of application of the repair material.

Mixing

Care should be taken to ensure that Patchroc 250 is thoroughly mixed. For multiple bag batches a forced-action mixer is essential. For smaller volumes where single bag mixes are more appropriate, mixing in a suitably sized drum using an approved Renderoc Mixing Paddle (MR4) with a slow speed (400/500 rpm) heavy-duty drill is acceptable.

Free-fall mixers must not be used. Mixing of part bags should never be attempted.

For mixers without a bottom exit, place the required quantity of drinking quality water into the mixer. With the machine in operation, add one full bag of Patchroc 250 and mix, for a minimum of 3 minutes, stop the machine and scrape the bowl & blades to ensure there is no unmixed powder, and mix for a further 3 minutes or minutes, until fully homogeneous.

For machines with a bottom exit, add 1 bag of powder to the mixer and start the mixer, add the water, then add any remaining powder. Mix as above.

For horizontal applications, the consistency may be adjusted by varying the water content between 2.2 and 2.8 litres per bag. Do not exceed 2.8 litres per bag.

For application into formwork on beams and columns, add between 3.2 and 3.6 litres per bag to obtain a flowable consistency. Do not exceed 3.6 litres per bag.

Mixing warning

As with other ‘one pack’ repair mortars, Patchroc 250 may exhibit satisfactory handling characteristics even though inadequately mixed. This will result in a significantly lower level of performance or possible failure. It is therefore essential that mixing instructions are strictly adhered to with particular emphasis on the quantity of water used and the time of the mixing operation.

Application

Exposed steel reinforcing bars should be firmly secured to prevent movement during application.

When using the material in horizontal applications at the low water content range, tamp into place to ensure complete compaction. Thoroughly compact the material around any exposed steel reinforcement.

When using the material at the high water content range, pour the mixed material into the prepared formwork, ensuring any trapped air at the top of the formwork is released. Patchroc 250 can be applied between thicknesses of 25 - 250mm in a single application.

Aim for an uninterrupted mix and pour of material to the repair area, keeping time between successive pours to less than 10 minutes.

Patchroc 250 should be struck off to the correct level and finished with a steel trowel to a fully closed surface. The finished surface should not be overworked.

Fosroc® Patchroc 250

Build-up

Additional build-up can be achieved by application of multiple layers.

The surface of the intermediate layers should be comb scratch- keyed. A further application of Patchroc 250 may proceed 1 hour after the material has reached its final set.

Low temperature working

In cold conditions down to 5°C, the use of warm mixing water (up to 30°C) is advisable to accelerate strength development. Normal precautions for winter working with cementitious materials should then be adopted. The material should not be applied when the substrate and/or air temperature is 5°C and falling. At 5°C static temperature or at 3°C and rising, the application may proceed.

High temperature working

At ambient temperatures above 35°C, the material should be stored in the shade and cool water used for mixing.

Surfacing Systems

Where the completed product application is to be overcoated with a resin based surfacing system, such as Nitodek FS or Nitodek UR, Nitoflor Coarse Anti-Slip Grains should be broadcast onto the finished surface immediately after application. Remove any unbound aggregate prior to application of the surfacing system.

Curing

In fast drying conditions, curing with either Concure WB, Nitobond AR or polythene sheeting polythene sheeting taped down at the edges must be used. In cold conditions, the finished repair must be protected from freezing. Where Patchroc 250 is to be later overcoated with a deck membrane or other coating system, the use of only polythene sheeting for curing is recommended.

Cleaning

Patchroc 250 should be removed from tools, equipment and mixers with clean water immediately after use. Cured material can only be removed mechanically.

Supply

Patchroc 250	25kg bag; 500kg sack
Concure WB:	20 and 200 litre drums
Nitobond AR	5 litre bottles

Coverage and yield

Patchroc 250	Approximately 12 litres / 25kg bag
Concure WB:	5 m^2/ litre
Nitobond AR	6-8 m^2/ litre

Notes: the actual yield per bag of Patchroc 250 will depend on the consistency used.

Limitations

Patchroc 250 should not be exposed to moving water during application. Exposure to heavy rainfall prior to the final set may result in surface scour.
If any doubts arise concerning temperature or substrate conditions, consult the local Fosroc office.

Storage

The product has a shelf life of 12 months from the date of manufacture if kept in dry storage in the original, unopened bags. If stored at high temperatures and/or high humidity the shelf life may be reduced.

Precautions

Health and safety

For further information refer to the appropriate Safety Data Sheets available at www.fosroc.com.

Fosroc International Limited
Drayton Manor Business Park
Coleshill Road, Tamworth,
Staffordshire B78 3XN. UK

www.fosroc.com

telephone:
+44 (0) 1827 262222

fax:
+44 (0) 1827 262444

email:
enquiryuk@fosroc.com

Fosroc® Paveroc

constructive solutions

High performance reinstatement mortar for concrete pavements and floors conforming to the requirements of BS EN 1504-3 Class R4

Uses

For the reinstatement or resurfacing of large areas of concrete pavements, ramps and floors to avoid the full depth replacement of bays.

It may be used internally and externally including areas subject to heavy trafficking

Paveroc can be used in conjunction with Fosroc Hardtop S for the repair of floors with a dry shake floor surfacing

Paveroc is suitable for repair methods 3.1, 3.2, 4.4, 7.1, 7.2 as defined by BS EN 1504-3.

Advantages

- Long open time - applicable to large bay areas
- High strength, abrasion and weather resistance
- One component, pre-bagged to overcome site-batched variations requires only the site addition of clean water
- Excellent bond to the concrete substrate
- Shrinkage compensated
- Contains no chloride admixtures

Description

Paveroc is designed for horizontal use. It may be applied up to a maximum thickness of 100 mm. Thicker sections can be built up in layers. Material should not be applied at less than 12 mm thickness. Individual bay sizes should not exceed 18 m². Consult the local Fosroc office for further information.

Paveroc is supplied as a ready to use blend of dry powders which requires only the site addition of clean water to produce a highly consistent repair mortar.

It is based on Portland cements, graded aggregates, and chemical additives providing a mortar with good handling characteristics while minimising water demand. The low water requirement ensures good strength gain and long-term durability.

The product is alkaline in nature and will protect embedded steel reinforcement.

Specification Clause

The repair mortar shall be Paveroc, a one component reinstatement mortar conforming to the requirements of BS EN 1504-3 Class R4 suitable for thicknesses between 12mm and 100mm applied in bays of up to 18m² generally. The cured material shall be able to achieve a compressive strength of 20 MPa at 24 hours, 65MPa at 28 days and a drying shrinkage of <300 micro-strain at 7 days. The product shall be mixed,

applied and cured in accordance with the manufacturer's written instructions to a correctly prepared substrate.

Standards compliance

Paveroc complies with the classification R4 according to EN 1504-3, repair methods 3.1, 3.2,4.4, 7.1 and 7.2.

Paveroc complies with LU Standard 1-085 'Fire Safety Performance of Materials'.

CE
0370

Fosroc International Limited
Drayton Manor Business Park, Coleshill Road, Tamworth, B78 3XN, UK
09
DOP: UK9-17
0370-CPR-0845

Paveroc

BS EN 1504-3
Structural and non structural repair methods 3, 4 and 7

Compressive strength	Class R4 (> 45 MPa)
Chloride ion content	< 0.05 %
Adhesive bond strength	≥ 2.0 MPa
Thermal compatability: feeze-thaw cycling with immersion	≥ 2.0 MPa
Carbonation resistance	Passes
Skid resistance	Class III: > 55 units wet tested
Elastic modulus in compression	>20 GPa
Reaction to fire	Euroclass A1
Dangerous substances	Complies with 5.4

Fosroc® Paveroc

Properties

The following results were obtained at a water : powder ratio of 0.088 and a temperature of 20°C unless otherwise stated.

Test method	Standard	BS EN 1504 R4 Requirement	Test result
Compressive Strength	EN 12190:1999	≥ 45 MPa	@ 1 Day 20 MPa @ 7 days 45 MPa @ 28 Days 65 MPa
Bond strength by pull off:	EN 1542:1999	≥ 2.0 MPa	2.2 MPa
Chloride ion content:	EN 1015-17:2000	≤ 0.05 %	0.01 %
Freeze thaw cycling:	EN 13687-1:2002	≥ 2.0 MPa	2.0 MPa
Resistance to carbonation d_k	EN 13295:2005	d_k ≤ ref concrete	Conforms
Elastic modulus in Compression	EN 13412	≥ 20 GPa	46 GPa @ 28 days
Skid Resistance	EN 13036-4	Class III > 55	Class III
Fire rating	EN 1504-3 cl.5.5	-	Class A1 Non-Combustible
Setting time	BS 4551 Pt14:1980	-	Initial set: 3.5 hours Final set: 5.0 hours
Working life:	-	-	@ 10°C @ 20°C @30°C 60min 55min 30min
Traffic time- Pedestrian: Vehicular:	-	-	@ 10°C @ 20°C @ 30°C 18 hours 12 hours 8 hours 36 hours 24 hours 16 hours
Chemical resistance	-	-	The low permeability of Paveroc severely retards chemical attack in aggressive environments. The cured mortar is impermeable to acid gases, waterborne chloride ions and oxygen.
Build Characteristics (hand applied) Minimum thickness: Maximum thickness: Maximum bay area	 - - -	 - - -	 12 mm 100 mm 18 m^2

Clarification of property values: The typical properties given above are derived from laboratory testing. Results derived from field applied samples may vary.

Application instructions

Preparation

*Angle form the edges of the repair to provide a defined straight edge to a depth of at least 12mm, feather edging must be avoided.

Clean the surface and remove any dust, unsound or contaminated material, plaster, oil, paint, grease, corrosion deposits or algae. Where breaking out is not required, roughen the surface and remove any laitance by light scabbling or abrasive-blasting.

Oil and grease deposits should be removed by steam cleaning, detergent scrubbing or the use of a proprietary degreaser. The effectiveness of decontamination should then be assessed by a pull-off test.

Expose fully any corroded steel in the repair area and remove all loose scale and corrosion deposits. Steel should be cleaned to a bright condition paying particular attention to the back of exposed steel bars. Abrasive blasting, hydrodem equipment, powered mechanical scraping or other suitable means is recommended for this process.

Where corrosion has occurred due to the presence of chlorides, the steel should be high-pressure washed with clean water immediately after abrasive-blasting to remove corrosion products from pits and imperfections within its surface.

*(Refer to HSE information sheet CIS36 regarding control of exposure to construction dust, available at www.hse.gov.uk)

Reinforcing steel priming

Apply one full coat of Nitoprime Zincrich Plus and allow to dry before continuing. If any doubt exists about having achieved an unbroken coating, a second application should be made and, again, allowed to dry before continuing.

Concrete Priming

Prime using Nitobond EP. Thoroughly stir the individual components to disperse any settlement. Add the entire contents of the hardener to the base container and mix thoroughly for at least 3 minutes until a uniform colour is obtained, taking particular care to scrape the sides and bottom of the container. It is recommended that mechanical mixing be employed, using a heavy duty, slow speed electric drill and suitable paddle (e.g. Fosroc Sealant Mixing Paddle).

The mixed product should be applied with a suitable stiff nylon-type brush and firmly scrubbed into the surface, ensuring an even coating. The Paveroc should be applied to Nitobond EP standard within 1½ hours at 20°C. See separate product data sheet for further details.

Mixing

Care should be taken to ensure that Paveroc is thoroughly mixed. A forced-action mixer is essential. Mixing in a suitably sized drum using an approved Renderoc Mixing Paddle (MR4) with a slow speed (400/500 rpm) heavy-duty drill is acceptable for the occasional one-bag mix.

Free-fall mixers must not be used. Mixing of part bags should never be attempted.

For normal applications, place 1.9 to 2.2 litres of drinking quality water into the mixer.

With the machine in operation, add one full bag of Paveroc and mix, for a minimum of 3 minutes and a maximum of 5 minutes, until fully homogeneous.

The consistency may be adjusted by the addition of small amounts of water up to the maximum total water content of 2.2 litres.

Note that the powder must always be added to the water.

Mixing warning

As with other 'one pack' repair mortars, Paveroc may exhibit satisfactory handling characteristics even though inadequately mixed. This will result in a significantly lower level of performance or possible failure. It is therefore essential that mixing instructions are strictly adhered to with particular emphasis on the quantity of water used and the time of the mixing operation.

Application

Exposed steel reinforcing bars should be firmly secured to prevent movement during application.

While the Nitobond EP is still tacky, apply the mixed Paveroc evenly by trowel and tamp in place with a wood float to ensure complete compaction. Thoroughly compact the mortar around any exposed steel reinforcement. Paveroc can be applied up to 100 mm in a single application.

Paveroc should be struck off to the correct level and finished with a steel trowel to a fully closed surface. A textured surface can be achieved with a suitable roller or brush. The finished surface should not be overworked.

Build-up

Additional build-up can be achieved by application of multiple layers.

The surface of the intermediate layers should be comb scratch-keyed. A further application of Paveroc may proceed as soon as this layer has set.

Reprime with Nitobond EP and apply further Paveroc as described above.

Low temperature working

In cold conditions down to 5°C, the use of warm mixing water (up to 30°C) is advisable to accelerate strength development. Normal precautions for winter working with cementitious materials should then be adopted. The material should not be applied when the substrate and/or air temperature is 5°C and falling. At 5°C static temperature or at 5°C and rising, the application may proceed.

High temperature working

At ambient temperatures above 35°C, the material should be stored in the shade and cool water used for mixing.

Curing

Paveroc is a cement-based repair mortar. In common with all cementitious materials, it must be cured immediately after finishing in accordance with good concrete practice. The use of Concure WB, sprayed on to the surface of the finished mortar in a continuous film, is recommended. A low pressure atomising sprayer is essential for applying the Concure WB

Large areas should be cured as trowelling progresses (0.5 m^2 at a time) without waiting for completion of the entire area.

In fast drying conditions, supplementary curing with polythene sheeting taped down at the edges must be used. In cold conditions, the finished repair must be protected from freezing.

Overcoating with protective decorative finishes

Paveroc is extremely durable and will provide an excellent hard wearing surface to the repaired locations. Surrounding floor areas may benefit from the application of an abrasion or chemical-resistant protective coating. For internal locations, Fosroc recommend the use of the Nitoflor FC range of protective coatings.

These products provide a decorative and uniform appearance as well as protecting areas of the floor which might otherwise

be at risk. Nitoflor FC products may be applied over the repair area after prior removal of the curing membrane generally after 3 days. The local Fosroc office should be contacted for advice about external protective overlayments.

Cleaning

Paveroc should be removed from tools, equipment and mixers with clean water immediately after use. Cured material can only be removed mechanically.

Clean tools used with Nitoprime Zincrich Plus and Nitobond EP before curing, with Fosroc Solvent 102.

Estimating

Supply

Paveroc:	25 kg bags
Nitoprime Zincrich Plus:	1.9 litre and 800 ml cans
Nitobond EP	2.5 and 4.5 Kg packs
Concure WB	20 and 200 litre drums
Fosroc Solvent 102:	5 and 25 litre tins

Coverage and yield

Paveroc:	Approximately 11.5 litres / 25 kg bag (approximately 0.9 m^2 at 12 mm thickness)
Nitoprime Zincrich Plus:	8 m^2/litre
Nitobond EP	Approximately 2 m^2 / kg
Concure WB	5 m^2/ litre

Notes: the actual yield per bag of Paveroc will depend on the consistency used.

Limitations

Where a rapid return to service is required when patching small areas (>4m^2) of concrete pavements and floors, the use of Patchroc GP is suggested instead of Paveroc.

Paveroc should not be used when the temperature is below 5°C and falling. Do not mix part bags.

Paveroc should not be exposed to moving water during application. Exposure to heavy rainfall prior to the final set may result in surface scour.

If any doubts arise concerning temperature or substrate conditions, consult the local Fosroc office.

Storage

The product has a shelf life of 12 months from the date of manufacture if kept in dry storage in the original, unopened bags. If stored at high temperatures and/or high humidity the shelf life may be reduced to less than 6 months.

Precautions

Health and safety

For further information refer to the appropriate Safety Data Sheets available at www.fosroc.com

Fire

Paveroc is non-flammable.

Nitoprime Zincrich Plus and Fosroc Solvent 102: are flammable. Keep away from sources of ignition. No Smoking. In the event of fire, extinguish with CO_2 or foam. Do not use a water jet

Flash points

Nitoprime Zincrich Plus:	41°C
Fosroc Solvent 102:	33°C

Fosroc International Limited
Drayton Manor Business Park
Coleshill Road, Tamworth,
Staffordshire B78 3XN. UK

telephone:
+44 0 (1827) 262222

fax:
+44 0 (1827) 262444

email:
enquiryuk@fosroc.com

www.fosroc.com