



FIXER

Flat Roofing Product Ranges

- Liquid Waterproofing
- Rainwater Outlets
- Paints & Primers
- Patch & Repair
- Torch On Felt
- EPDM

FIX-R Flat Roofing Products

FIX-R brings you a professional range of flat roofing products designed to meet your standards of usability, quality and price.

At FIX-R, we work with the leading manufacturers who have demonstrated an exceptional technical understanding of the marketplace and utilise the latest technologies available to provide quality systems for flat roofing applications. All FIX-R products are tried and tested and have been designed for the roofing professional – giving you the right solution for the job.




You can purchase FIX-R products with the confidence that we will be here to support you in the future, as we:

- Offer impartial product advice
- Support customers with technical advice in branch and on-site
- Work with trade associations, training and testing organisations
- Have an in-depth understanding of market and legislative compliance
- Stock the latest products from market-leading manufacturers










FIX-R can commit to these goals as we have the backing of our parent group, SIG plc, a FTSE 250 listed construction distribution company.

The right solution for the job.

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Flat Roofing Systems

Product Category	Products	Materials Cost → Low - High →	Accessories Cost → Low - High →	Installation Speed → Fast - Slow →	Required Components
Liquid Coatings	FIX-R Liquid Waterproofing	→ → →	→ →	→ →	
Patch & Repair	FIX-Rcryl	→ →	→ →	→ →	
EPDM	FIX-R EPDM	→ → →	→ →	→ →	
Torch On Felt	SBS	→ → → →	→ →	→ → →	 
	APP	→ → →	→ →	→ → → →	 
Paints & Solutions	Acrylic	→ →	→ →	→ →	
	Bituminous Solutions	→ →	→ →	→ →	



= Gas & Gas Torch

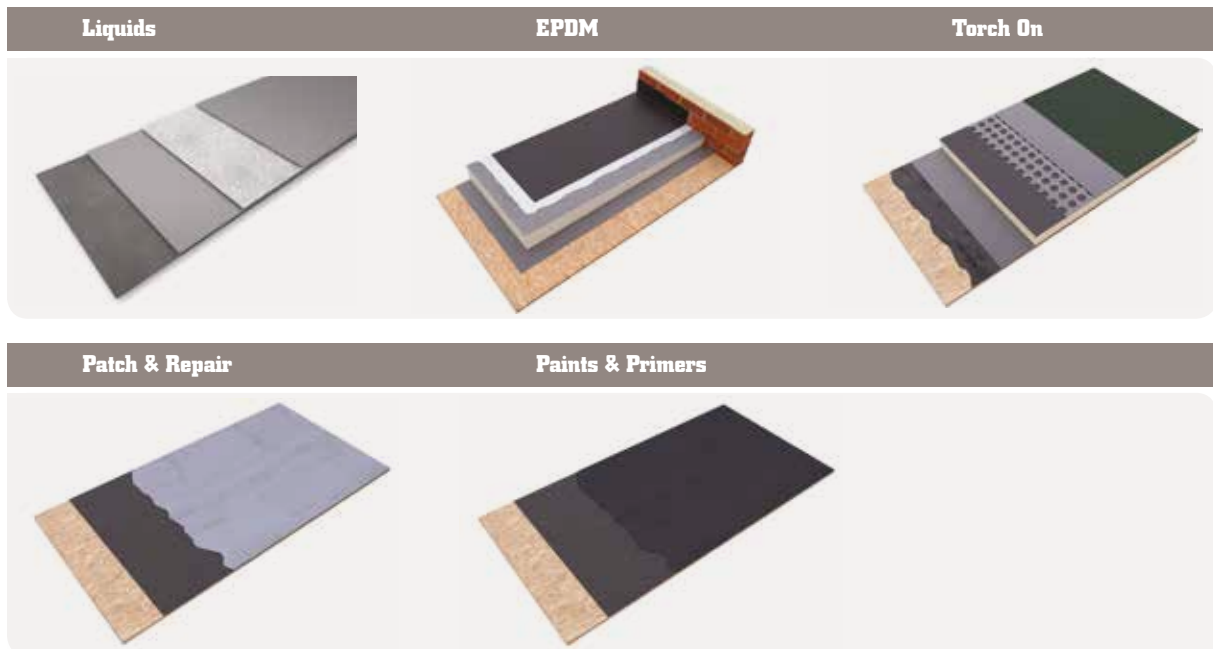


= Application Kit



= Gas Cylinder

System build-ups



The right solution for the job

Product Comparisons

	Liquids	Patch & Repair	EPDM	Torch-On	Paints
Proven technology	✓	✓	✓	✓	✓
Size of application	Small & Large	Small	Small & Large	Small & Large	Small
Ease of detailing	Easy	Easy	Moderate	Moderate	Easy
Availability	✓	✓	✓	✓	✓
Skill level required for use	Low Skill	No Skill	Low Skill	Fairly Skilled	No Skill
Used for new build or retro fit	Both	Retro	Both	Both	Retro
Heat required				✓	
Licence and insurance needed				✓	
Can store and reuse	✓		✓	✓	
Warranty available	10 to 15 yr	5 yr life expectancy	20 yr membrane	10 to 20 yr	5 yr life expectancy
Engineered off site			✓	✓	
Bulky and heavy material			✓	✓	
Low odour & VOCs	✓	✓			
Longevity	Long	Short	Long	Long	Short

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FIXER

Torch On Felt

Product Selector and Application Guide

Introduction

FIX-R Torch On Roofing Systems are torch-applied for flat and pitched roofs, consisting of reinforced bitumen membranes using polyester reinforcements with exceptional mechanical strength and dimensional stability. The reinforcements are impregnated and then coated with specially formulated SBS (Styrene Butadiene Styrene) modified bitumen or APP modified bitumen.

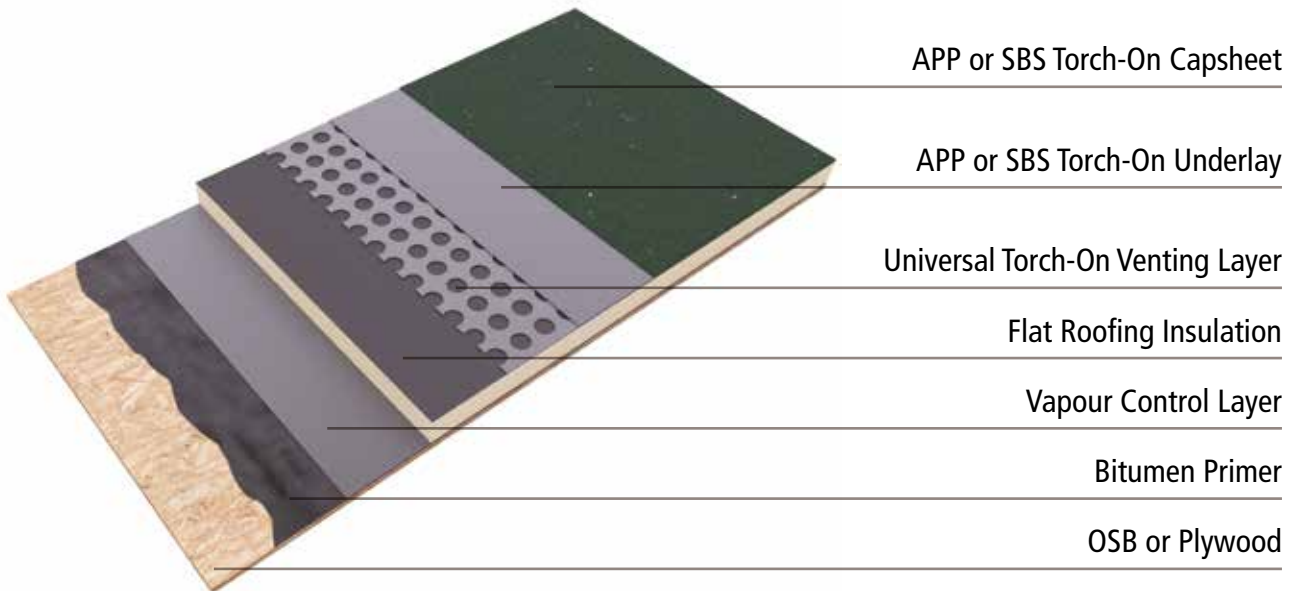
FIX-R's range of Torch On Felts offer quality solutions that get the job done.



**FIX-R 20 SBS Modified
Torch On Capsheet**



**FIX-R SBS & APP
Torch On Roofing System**



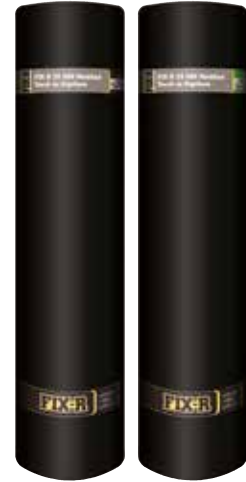
FIX-R 20 SBS Modified Torch On Capsheet



Suitable for use as the uppermost layer of a built-up roofing system, FIX-R 20 is a non-woven polyester based torch applied capsheet, coated with an SBS rubber modified bitumen coating.

Features & benefits:

- 20 years insurance backed materials guarantee
- Torch on application
- Strong polyester reinforcement
- Flexible SBS Bitumen
- Low temperature flexibility - 15°C
- Cost effective performance



Product Details

Product	FIX-R 20 SBS T-O Capsheet
Roll Weight (kg)	40kg
Kg/m ²	5Kg/m ²
Roll Dimensions	8m x 1m
Base Type	Polyester

Colours
Green
Black



Typical Properties

Property	Test Method	Unit	FIX-R 20 SBS T-O Capsheet
Tensile Strength	BSEN 12311-2000	N/50mm	MD >500 TD >400
Elongation at break	BSEN 12311-2000	%	MD >20 TD >30
Low Temperature Flexibility	BSEN 1109-2000	°C	≤ -15

FIX-R's range of Torch On Felts offer quality solutions that get the job done

FIX-R SBS & APP Torch On Roofing System



The FIX-R Torch On Roofing System is a torch applied built up roofing system for flat and pitched roofs and includes venting layers, capsheets and underlays. Available in 4 mineral colours: Green, Blue-Grey, Brown and Black they are ideal for new roofs and the repair of existing felt and asphalt roofs.



Features & benefits:

- 15 year warranty on all products within the systems
- Tough polyester reinforcement for membrane strength and durability
- Excellent adhesion facilitates all detailing work
- High resistance to puncture
- Rapid melt sacrificial backing speeds torching application

	Guarantee*	Roll Length/ Width	Finish	Roll Weight	Weight m ²
FIX-R SBS/APP Sanded Top Layer	15 Years	8 x 1m	Sand	36.0kg	4.5kg/m ²
FIX-R SBS/APP Capsheet	15 Years	8 x 1m	Green Mineral	38.0kg	4.75kg/m ²
FIX-R SBS/APP Capsheet	15 Years	8 x 1m	Blue/Grey Mineral	38.0kg	4.75kg/m ²
FIX-R SBS/APP Capsheet	15 Years	8 x 1m	Brown Mineral	38.0kg	4.75kg/m ²
FIX-R SBS/APP Capsheet	15 Years	8 x 1m	Black Mineral	38.0kg	4.75kg/m ²
FIX-R Universal SBS/APP Underlay	15 Years	16 x 1m	Sand	36.0kg	2.25kg/m ²
FIX-R Universal Torch On Venting Underlay	-	20 x 1m	Sand	28.0kg	1.4kg/m ²

*Build up must be installed in accordance with the British Standards Code of Practice.

*When FIX-R capsheet is used in conjunction with FIX-R underlay.

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Technical

Application

FIX-R Torch On Capsheets should be installed in accordance with BS8217 and BS6229. The application should follow the recommended good practices for torch-applied membranes.

Preparation

The surface over which the membranes are to be installed should be clean and dry and the deck must comply with the relevant requirements of BS6229. If a primer is necessary, this must be allowed to dry completely. Porous or very dusty / friable surfaces may require a second coat of bitumen primer.

Installation

Normal good practice must be followed and be generally in accordance with BS8217.

Apply the Torch On Capsheet by melting the heat dispersible backing and coating to create a molten flow in front of the roll. The flame of the torch should be applied at the low point where the roll meets the underlay. As the film and bitumen melts, roll the roofing membrane forward. Side joints in the sheets should be fully bonded and formed using the 75mm selvedge, end laps should be a minimum of 100mm. A bead of bitumen must exude from all side and end laps joints to ensure a seal.

In compliance with good roofing practice, completed work should be protected from damage, particularly if following trades will be working on or over the roof.

Care must be taken when applying these torch on membranes in close proximity to combustible materials, decorative coatings and heat sensitive materials.

Storage

FIX-R Torch On Capsheets should be stored on end, on a clean level surface away from excessive heat and under cover.



FIX-R's range of Torch On Felts offer quality solutions that get the job done

FIXER SBS Torch On Roofing System

Available in 4 colours
 Polyester
 Top Sheet, Capsheet
 and Underlayers
 Guaranteed 15 Years*

Introduction
 The FIX-R SBS Torch On Roofing System is provided as a torch-applied built up roofing system for flat and pitched roofs. FIX-R membranes are laid for new roofs and the repair of existing roofs and existing roofs.

Description
 The FIX-R SBS Torch On Roofing System consists of reinforced butylene membrane with polyester capsheet, top sheet, capsheet and underlayers. The membranes are reinforced with glass fibre carrier coated with 500 g/m² rubber modified bitumen. The upper surface is finished with a 40 mm perforated sand or mineral aggregate. The membranes are reinforced with glass fibre carrier coated with 500 g/m² rubber modified bitumen. The upper surface is finished with a 40 mm perforated sand or mineral aggregate. The membranes are reinforced with glass fibre carrier coated with 500 g/m² rubber modified bitumen. The upper surface is finished with a 40 mm perforated sand or mineral aggregate.

FIX-R Top Layer consists of a polyester carrier coated with 500 g/m² rubber modified bitumen. The upper surface is finished with a 40 mm perforated sand or mineral aggregate. The membranes are reinforced with glass fibre carrier coated with 500 g/m² rubber modified bitumen. The upper surface is finished with a 40 mm perforated sand or mineral aggregate.

FIX-R Capsheet is used in conjunction with FIX-R underlayers.

Roll Width	Finish	Roll Weight	Weight m ²
1.2m	Sand	38.0 kg	4.75 kg/m ²
1.2m	Green Mineral	38.0 kg	4.75 kg/m ²
1.2m	Blue-grey Mineral	38.0 kg	4.75 kg/m ²
1.2m	Brown Mineral	38.0 kg	4.75 kg/m ²
1.2m	Black Mineral	38.0 kg	4.75 kg/m ²
1.2m	Sand	36.0 kg	2.25 kg/m ²
1.2m	Sand	28.0 kg	1.4 kg/m ²

... for membrane strength and durability.
 ... torching application.
 ... to be torch applied to most recommended roofing specification.
 ... to combustible sub-structure.
 ... external layer of the system and it also ...
 ... used as the external layer of the system but ...
 ... for use installed beneath the Top Layer or ...

FIX-R SBS Capsheet

Roll Width	Units	FIX-R SBS Capsheet
1.2m	24/32	210/120
1.2m	24	210/120
1.2m	kg	20
1.2m	°C	-10
1.2m		PASS
1.2m		Fire/04

... should be stored on end, on a clean, level surface away from cover.
 ... should be installed should be in accordance with the specification.
 ... should be made to ensure that the work is in accordance with the specification.
 ... should be made to ensure that the work is in accordance with the specification.
 ... should be made to ensure that the work is in accordance with the specification.

FIXER APP Torch On Roofing System

Available in 4 colours
 Polyester
 Top Sheet, Capsheet
 and Underlayers
 Guaranteed 15 Years*

Introduction
 The FIX-R APP Torch On Roofing System is provided as a torch-applied built up roofing system for flat and pitched roofs. FIX-R APP membranes are laid for new roofs and the repair of existing roofs and existing roofs.

Description
 The FIX-R APP Torch On Roofing System consists of reinforced butylene membrane with polyester capsheet, top sheet, capsheet and underlayers. The membranes are reinforced with glass fibre carrier coated with 500 g/m² rubber modified bitumen. The upper surface is finished with a 40 mm perforated sand or mineral aggregate. The membranes are reinforced with glass fibre carrier coated with 500 g/m² rubber modified bitumen. The upper surface is finished with a 40 mm perforated sand or mineral aggregate.

FIX-R Top Layer consists of a polyester carrier coated with 500 g/m² rubber modified bitumen. The upper surface is finished with a 40 mm perforated sand or mineral aggregate. The membranes are reinforced with glass fibre carrier coated with 500 g/m² rubber modified bitumen. The upper surface is finished with a 40 mm perforated sand or mineral aggregate.

FIX-R Capsheet is used in conjunction with FIX-R underlayers.

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1.2m	Green Mineral	36.0 kg	4.5 kg/m ²
1.2m	Blue-grey Mineral	36.0 kg	4.5 kg/m ²
1.2m	Brown Mineral	36.0 kg	4.5 kg/m ²
1.2m	Black Mineral	36.0 kg	4.5 kg/m ²
1.2m	Sand	36.0 kg	2.25 kg/m ²
1.2m	Sand	28.0 kg	1.4 kg/m ²

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FIX-R APP Capsheet

Roll Width	Units	FIX-R APP Capsheet
1.2m	24/32	210/120
1.2m	24	210/120
1.2m	kg	20
1.2m	°C	-10
1.2m		PASS
1.2m		Fire/04

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Please visit our website to view or download our Product Datasheets and Material Safety Datasheets

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FIXER

Paints & Primers

Product Selector & Application Guide

FIX-R Paints & Primers



Roofing Felt Adhesive

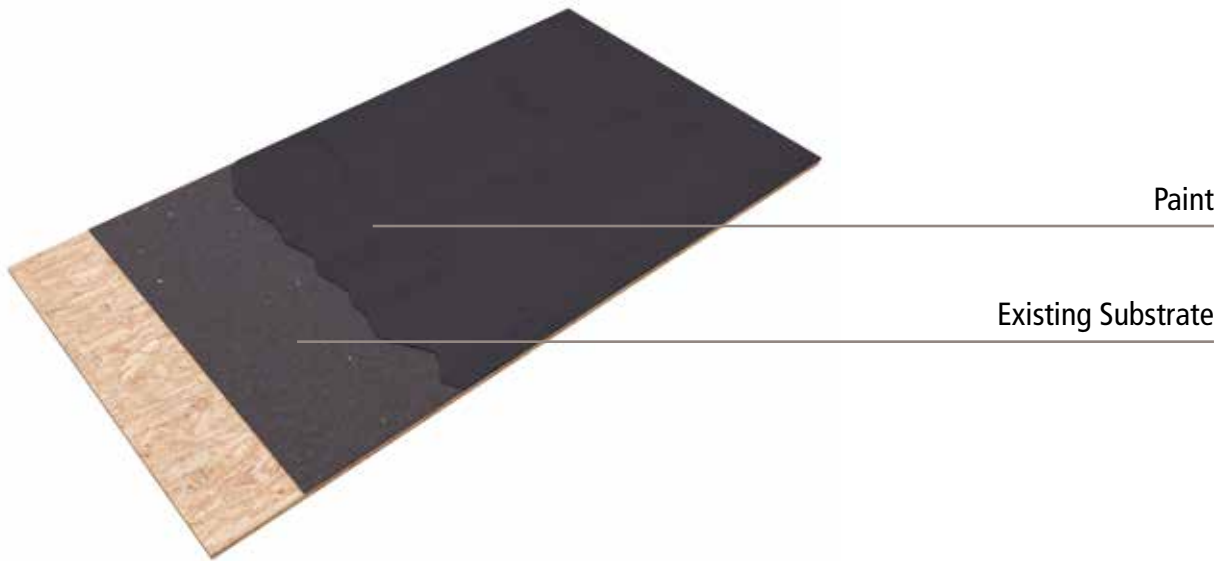
Quick Dry Bitumen Primer

Bitumen Primer

Black Bitumen Paint

Aluminium Paint

All Weather Roof Coat



FIX-R Roofing Felt Adhesive

A cold applied bitumen adhesive for bonding and sealing roofing felts.

Description

FIX-R Roofing Felt Adhesive is a cold, brush applied, black, oxidised bitumen based adhesive used to bond successive layers of roofing membranes or roofing membranes to concrete, asphalt, metal, plywood, OSB 3 and similar surfaces. FIX-R Roofing Felt Adhesive is also used for sealing laps on bituminous membranes. As a gritting adhesive, it bonds roof chippings to roofing membranes and mastic asphalt.



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FIX-R

Notes

FIX-R Roofing Felt Adhesive contains a solvent, which can attack certain insulations (i.e. expanded polystyrene). If its use is considered with materials other than roofing felts or normal roofing products, please contact our Technical Services Department to confirm its suitability. Being solvent based, FIX-R Roofing Felt Adhesive is suitable for use throughout the year, although its use should be avoided if rain is expected shortly after application. Drying times may be extended in low temperatures. Application is limited to a maximum slope of 15%.

Directions for Use

Application temperature should be between +3 and +27°C. All surfaces must be clean, dry and free from grease, oil, dirt and loose material.

To fix roofing membranes to plywood, concrete and similar decks, FIX-R Roofing Felt Adhesive should be used in the strip bonding method. Concrete decks should be primed with FIX-R Quick Dry Bitumen Primer. Strips of the FIX-R Roofing Felt Adhesive should be brush applied approximately 100mm minimum wide (with a 100mm gap in between strips) to cover 50% of the roof area. The membrane should be positioned and unrolled into the adhesive. All lap joints must be fully sealed. On timber boarded decking, the first layer should be fixed using 20mm large head galvanized clout nails, stagger nailed at 150mm centres in both directions. Overlap adjacent sheets by 75mm minimum and nail along lap at 50mm centres.

Lap joints should also be sealed with FIX-R Roofing Felt Adhesive prior to nailing the lap. Fix intermediate layers and top sheets with a full bond of FIX-R Roofing Felt Adhesive. The cold-applied adhesive should be brushed over the full area of the section to be fixed. When tacky (after about 15 minutes) the membrane should be unrolled into the adhesive.

Note: To assist with the application and the correct positioning of the roll, it is advised that before applying the adhesive the roofing sheet is unrolled into the correct position and marked, then rolled back to the centre and the adhesive applied between the marks. Unroll the sheet into the adhesive, smoothing out any air pockets, and repeat process for the other half of the roll.

Side and end laps should be 75mm minimum and fully sealed. Ensure laps on the top sheet do not occur at overlaps in the previously applied underlay. It is suggested that the first sheet of underlay (or intermediate layer in a three layer system) is installed as a half width sheet, by this method the lap joint in the cap sheet will always coincide with the centre of the preceding layer.

Install membranes starting at the lowest section of the roof (the drainage point) and work with successive layers up the roof slope. All lap joints should be with the fall and not restrict the flow of water from the roof. To obtain a clean finish to top sheet laps, the cold applied adhesive should be carefully spread so that there is no surplus beyond the finished edge of the lap. Membrane upstands and detail work should always be formed with separate pieces and be fully bonded in FIX-R Roofing Felt Adhesive. Upstands to brickwork etc. should finish beneath a lead flashing, or be dressed into a chase in the mortar joint.

When the adhesive is nearly dry (approx. 6 hours) the roof should be inspected and any sections not adhering properly should be firmly pressed or rolled down.

When used as a gritting adhesive, the coating of FIX-R Roofing Felt Adhesive should be blinded with the grit or chippings within 30 minutes of application. FIX-R Roofing Felt Adhesive can also be used to seal the lap joints of nailed roofing membranes, applied to pitched roof garden buildings.

Coverage

- 0.67 - 1m²/kg or 1 - 1.5kg/m²

Cleaning

- White Spirit

Packaging

- 5L & 25L

Shelf Life

- 3 years in sealed packaging

FIX-R Quick Dry Bitumen Primer

To prepare and stabilise surfaces prior to applying roofing felt and flashing tapes, which dries in 30 minutes.

Description

A fast-drying bitumen priming solution designed to seal and prepare dry or slightly damp surfaces for the application of bitumen waterproofing products and systems. Drying time is approximately 30 minutes at 20°C, depending on the substrate. No residual tack.

Directions for Use

May be applied to many substrates including concrete, brickwork, zinc, metal and existing bitumen roofing. For use with bitumen membranes and liquid FIX-R maintenance products.



Application

Application temperature should be between +3 and +27°C ready for use. All surfaces must be clean, dry and free from grease, oil, dirt and loose material.

Smooth metal surfaces, where necessary, should be prepared with a wire brush. If moss or lichen is present this must be removed and the surface treated with Algae and Fungi Remover applied in accordance with its application instructions before proceeding.

Apply FIX-R Quick Dry Bitumen Primer in one coat with a brush, roller or airless spray gun. Apply a thin even coating, brushing well into the surface. Do not allow material to pool or collect in depressions.

Allow drying thoroughly before proceeding with the application of other bitumen products. Drying times may be extended in low temperatures.

Note: Use only in well-ventilated areas, or with respiratory apparatus, away from all sources of ignition. Precautions must be taken to prevent the solvent vapour entering the ventilating systems of buildings.

Coverage

Metal	10 - 15 m ² /Litre;	70 - 100 ml/m ²
Concrete	3 - 4 m ² /Litre;	250 - 300 ml/m ²
Bitumen	± 5 m ² /Litre;	± 200 ml/m ²
Fibre cement	10 - 12 m ² /Litre;	85 - 100 ml/m ²

Cleaning

- White Spirit

Packaging

- 5L & 25L

Shelf Life

- Maximum 3 years in sealed container

FIX-R Bitumen Primer

Seal and prepare surfaces for Bituminous waterproofing products.

Description

A bitumen priming solution designed to seal and prepare surfaces for the application of bitumen waterproofing products and systems.

Drying time at 20°C is approximately 2-3 hours, depending on the substrate and the weather conditions.

Directions for Use

FIX-R Bitumen Primer may be applied to many substrates including concrete, brickwork, metal and existing bitumen roofing and is suitable for use with bitumen membranes and liquid FIX-R maintenance products.

Note: Bitumen Primer is not rust inhibitive; bare metal should first be coated with a rust inhibiting primer



Application

The substrate needs to be sound, clean and grease-free. Should algae or fungi be present, this must be removed with a stiff broom and the surface treated with Algae and Fungi Remover.

Apply FIX-R Bitumen Primer in one coat with a brush, roller or airless spray gun.

Make sure the primer is dry before applying bituminous membranes or liquid FIX-R products.

Note: Use only in well-ventilated areas, or with respiratory apparatus, away from all sources of ignition. Precautions must be taken to prevent the solvent vapour entering the ventilating systems of buildings.

Coverage

Metal 10 - 15 m ² /Litre;	70 - 100 ml/m ²
Concrete 3 - 4 m ² /Litre;	250 - 300 ml/m ²
Bitumen ca 5 m ² /Litre;	ca 200 ml/m ²
Fibreceement 10 - 12 m ² /Litre;	85 - 100 ml/m ²

Cleaning

- White Spirit

Packaging

- 5L & 25L

Shelf Life

- Maximum 3 years in sealed container

FIX-R Black Bitumen Paint

All purpose paint for the protection of external metal, concrete and brickwork, ready to use, brush applied.

Description

A general-purpose bitumen paint that provides protection for a range of substrates including iron; steel; concrete; brickwork; fibre cement and zinc. FIX-R Black Bitumen Paint provides protection for all outdoor constructions below ground or in contact with the ground.

Directions for Use

Suitable for use on all types of concrete and brickwork, construction plinths, septic tanks, drainpipes, wooden garden posts, concrete, metal, reservoirs, railway sleepers and drainage channels. FIX-R Black Bitumen Paint provides ideal protection for all materials in contact with groundwater.

Note: In common with all bitumen paints, FIX-R Black Bitumen Paint weathers to a matt black finish, and cannot be overcoated with conventional oil based paints. Do not apply to surfaces previously treated with a tar-based product. Drying times may be extended during low temperatures.

Application

Application temperature should be between +3 and +27°C. FIX-R Black Bitumen Paint is ready for use and should not be thinned. The substrate needs to be sound, fixed, clean and free of dust and rot.

Loose or blistered existing paint finishes should be removed. Prime iron and steel surfaces with a suitable rust inhibiting primer, which must be thoroughly dry before over painting. Galvanised surfaces should be roughened with a wire brush or treated with a suitable etching primer.

Apply by brush, a minimum of two coats recommended. Allow each coat to dry 2-4 hours before applying the next.

Coverage

Metal surfaces: 8-10 m²/Litre per coat
Concrete and timber: 4-6 m²/Litre per coat

Cleaning

- White Spirit

Packaging

- 5L & 25L

Shelf Life

- Maximum 3 years in sealed container



FIX-R Aluminium Paint

A solar reflective roof paint, reduces heat gain on roofs.

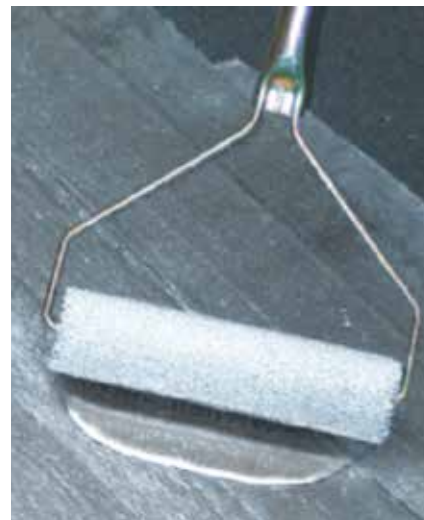
Description

FIX-R Aluminium Paint is a solar reflective coating suitable for the protection of metal and bituminous roofs against the effects of UV and heat ageing.

Directions for Use

FIX-R Aluminium Paint may be applied to a wide range of substrates including metal, bitumen coatings and bitumen membranes. Its bright aluminium colour gives good heat, UV and light reflective properties, ideal for reducing solar heat gain on dark coated roofs, tanks and similar surfaces.

Note: Do not apply to mastic asphalt roofing or on coal tar bitumen.



Application

Application temperature should be between +3 and +27°C. Surfaces must be dry, clean and free from grease, oil, dirt or any other contaminant that may impair adhesion. If moss or lichen is present, this should be removed and the surface treated with a fungicide in accordance with its application instructions and allowed to dry before proceeding.

Highly absorbing and bitumen substrates should be treated first with FIX-R Quick Dry Bitumen Primer.

Stir thoroughly before use and during application to ensure an even distribution of the aluminium pigment. Apply FIX-R Aluminium Paint over the roof surface with a soft broom or roller. For maximum durability and reflectivity, 2 coats should be applied.

Allow the first coat to dry thoroughly before the application of the second coat, normally after 24 hours, depending on the temperature and the weather conditions.

If FIX-R Aluminium Paint is to be applied over existing bitumen coatings it is important that such treatments are thoroughly dry (i.e. applied at least 14 days before) and that care is taken to see that brushing is kept to a minimum to prevent softening of the substrate.

To ensure maximum reflectivity and performance, surfaces should be repainted every 3 to 5 years.

Coverage

- 6 - 8 m²/Litre per coat, depending on the surface
- 125 - 165 ml/m² per coat, depending on the surface

Cleaning

- White Spirit

Packaging

- 5L & 25L

Shelf Life

- Maximum 3 years in sealed container

A range of easy to apply paints and primers

FIX-R All Weather Roof Coat

Seamless waterproof coating to prolong the life of flat roofs.

Description

FIX-R All Weather Roof Coat is a flexible, bituminous coating containing reinforcing fibres and designed for easy application to protect and prolong the life of existing roofing systems. The ideal solution for protecting and rejuvenating your roof.

Surface Preparation

All surfaces must be clean, dry and free from grease, oil, dirt and loose material. Destroy any moss or lichen growth using Algae and Fungi Remover and prime the surface being treated with FIX-R Quick Dry Bitumen Primer and allow to dry.

Metal surfaces, where necessary, should be prepared with a wire brush.

Prime iron and steel with suitable rust inhibitive primer, and allow to dry thoroughly. Any blisters and cracks present in the existing roof surface should be repaired using a Universal Roof Repair Compound.



Application

Stir FIX-R All Weather Roof Coat thoroughly and then apply an even coating using a brush at a rate of 2m²/litre. Allow product to dry thoroughly (approximately 24 hours) and then apply a second coat at right angles to the first at a rate of 2m²/litre. For additional ultraviolet protection, slate flakes or chippings can be immediately sprinkled onto the top coat whilst still wet.

Coverage

- 2m²/litre/coat

Cleaning

- White Spirit

Packaging

- 5L & 25L

Shelf Life

- Maximum 3 years in sealed container



FIXER

Liquid Waterproofing

Product Selector & Quick Installation Guide

An Introduction to the **FIX-R** Liquid Waterproofing System

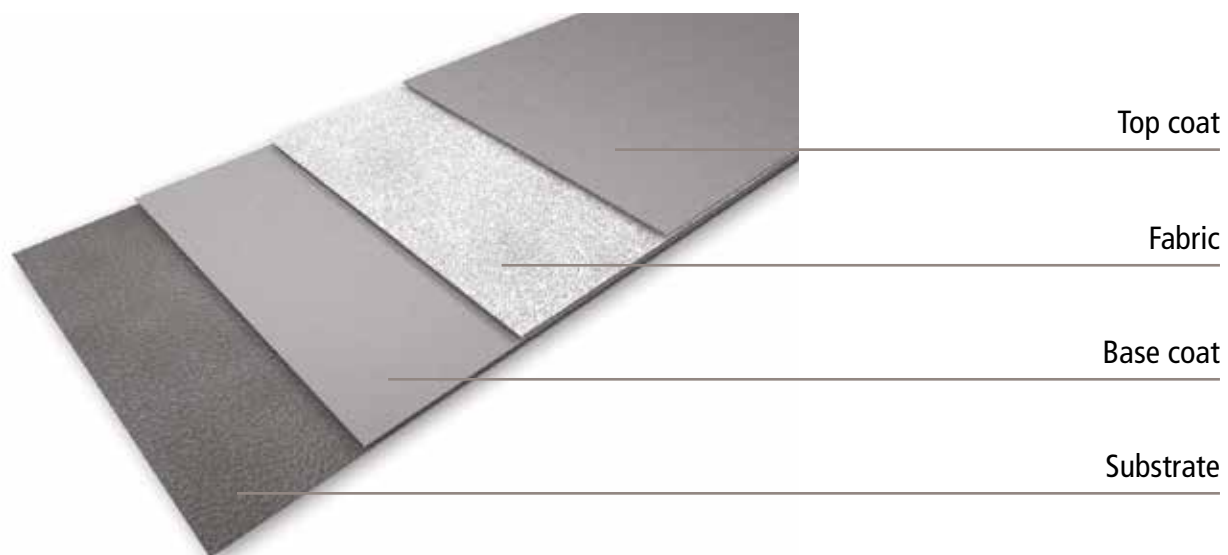
FIX-R Liquid Waterproofing represents a breakthrough in cold applied liquid waterproofing. Employing a unique, Alpha Hybrid technology developed in Germany, FIX-R Liquid Waterproofing offers the UK a cold applied seamless liquid waterproofing membrane that is totally non-hazardous, is completed in one pass and designed with the Northern European climate in mind.

It is fully reinforced with a polyester membrane and cures naturally through contact with moisture in the atmosphere.

Alpha Hybrid chemistry is a mixture of silicon and polyurethane, giving this product a combination of the excellent UV resistance and flexibility of silicon, along with the tough adhesion and strength of polyurethane.

FIX-R Liquid Waterproofing is ideal for use on:

- Small scale or large commercial projects, whether they are new or refurbishments
- Flat roofs, balconies, terraces and walkways
- Gutters
- Profile roofs
- Complex detailing, up-stands, penetrations and terminations
- Over-coating failed single ply or existing coatings



What makes **FIX-R** Liquid Waterproofing the right choice for you:

- The wet-on-wet application technique is quick and simple and makes the roof instantly waterproof
- Water repellent on application
- Single liquid component means no catalyst is required and therefore no wastage
- Bonds to most conventional roof substrates without the need for a primer
- Can be applied at temperatures above 0°C and rising
- Ideal for roofs with complex details
- Non-hazardous - low odour with no solvents
- Fully reinforced with polyester fabric
- Minimum wastage – unused product can be stored and reused*
- UV stable
- Excellent fire rating (Broof (T4))
- New - FIX-R Jointing Tape for board and insulation joints makes surface instantly weather tight
- 15 year product warranty available

*sealed and stored between 4°C - 32°C

System Components

Products:

- FIX-R Liquid Waterproofing
- FIX-R Fabric

Ancillaries:

- FIX-R Stain Blocker
- FIX-R Jointing Tape

Tools Required:

- Paint Roller
- Scissors
- Brush
- Gloves

FIX-R System Components

FIX-R Liquid Waterproofing

The FIX-R Liquid Waterproofing System is a one-component liquid waterproofing system which is isocyanurate free, contains no solvents, has very low volatile organic compounds (VOC), and does not require classification or marking as a hazardous substance.

Fully reinforced with a polyester membrane, it cures through moisture in the atmosphere (touch dry in 45 minutes – 2 hours) and can be applied all year round in temperatures above 0°C and rising.



Colours:

- Light Grey
- Anthracite

Sizes:

- 5 Litre
- 15 Litre

FIX-R Fabric



Use FIX-R Fabric to fully reinforce FIX-R Liquid Waterproofing, creating a flexible and strong waterproofing system.

Fabric Sizes:

- 25m x 1m (for field area)
- 25m x 250mm (for detailing and upstands etc.)

FIX-R Ancillary Products

FIX-R Stain Blocker

FIX-R Stain Blocker is a low viscosity, highly penetrating and cost effective acrylic polymer, which eliminates the risk of migration of asphaltic oils.

- FIX-R Stain Blocker blocks the migration of asphaltic oils eliminating the risk of bleed through
- If the substrate is in poor condition and showing signs of potential leaching, apply a coat of FIX-R Stain Blocker
- All chippings and ballast must be removed from the substrate; the surface must be cleaned thoroughly by power washing and then sealed with FIX-R Stain Blocker



FIX-R Jointing Tape

FIX-R Jointing Tape is a polyester reinforced self-adhesive tape designed to seal joints and seams on all surfaces prior to the application of the accompanying FIX-R Liquid Waterproofing System. Replacing the need for the 100mm wide reinforcing fabric and liquid application previously used at these joints, FIX-R Jointing Tape saves you time on installation, as well as reduces your overall material costs. The easy peel-off backing makes application as simple as possible.

- Seals joints in insulation and timber decks prior to the application of the Fix-R Liquid Waterproofing System
- Seals telescopic tube fasteners in a mechanically fixed insulation system
- Easy peel-off backing to reveal the self-adhesive surface
- Excellent adhesion to most substrates
- Water resistant immediately after application



Available in rolls of 25m x 100mm

FIX-R Liquid Waterproofing

Installation Guide

The FIX-R Liquid Waterproofing System is simple to use, straight from the bucket. Applied by brush or roller it is ideal for flame-free application where access is limited or where large amounts of detailing are required

Application Conditions

- Minimum surface temperature: 0°C and rising
- Maximum surface temperature: 45°C and falling
- FIX-R Liquid Waterproofing can be applied to damp surfaces but not wet surfaces
- Always abrade before over coating

Overcoating

Any areas of FIX-R Liquid Waterproofing that need to be recoated or repaired after the product has had 16 hours or more to cure, must be abraded as follows before over coating:

- 1 Use 60 – 80 grit sand paper.
- 2 Lightly abrade area to be recoated, either by hand or using a random orbital sanding machine. **DO NOT USE A BELT SANDER.**
- 3 Abrade until the surface of the coating loses its sheen and appears 'dull'.
- 4 Brush loose particles off the product.
- 5 Recoat within 12 hours.
- 6 Do not allow abraded surface to get wet before recoating. If this occurs the process will need to be repeated.

Surface & Product Preparation

Before applying FIX-R Liquid Waterproofing ensure that all surfaces are sound and free from loose materials, oil, grease, algae, mildew or fungal growth. FIX-R Liquid Waterproofing can be applied directly to most substrates without the need for priming. Depending on the condition of certain surfaces and substrates a stain blocker or primer may be required, please contact our Technical Department for advice on 01480 466777.

New boards

- Use FIX-R Jointing Tape on all board joints.

Approved Insulation

- Use FIX-R Jointing Tape on all board joints.

Bituminous Membranes

- Cut and stick down any bubbles and remove any loose chippings or mineral.
- If the substrate is in poor condition and showing signs of potential leaching, apply a coat of FIX-R Stain Blocker.

Roofing Asphalt

- Remove any bubbles and remove any loose chippings. If chippings are embedded, consider using a recovery board.
- If the substrate is in poor condition and showing signs of potential leaching, apply a coat of FIX-R Stain Blocker.

Concrete/Screed

- Make sure the concrete is fully cured and check that the moisture content is below 7%.
- If 'gassing' is still occurring, please contact our Technical Department for advice on priming.

GRP and GRP trims

- Fully abrade the surface prior to application.

Metal

- Remove any rust and degrease if necessary prior to application.

Single Ply/EPDM membranes

- Make sure all areas are fully bonded or fixed to the existing roof deck. Use Jointing Tape to repair cuts and tears.
- Perform an Adhesion Test.

Existing coatings

- Remove any loose or flaky materials to a sound surface. Perform an Adhesion Test, see below.

PVC pipes and outlets

- Fully abrade the surface prior to application.

Note: Use FIX-R Jointing Tape to repair any gaps in the surface before applying FIX-R Liquid Waterproofing.

Adhesion Test

It is recommended that at least three test patches are installed at different locations on the roof for all questionable roof substrates to verify adhesion of the FIX-R Liquid Waterproofing System.

Conduct an Adhesion Test as follows:

- 1 Clean areas of the substrate approximately 270mm X 270mm.
- 2 Use a piece of FIX-R Fabric, 250mm X 250mm and approximately 0.5 L of FIX-R Liquid Waterproofing on each test area.
- 3 Apply a layer of liquid coating over each area and embed the fabric.
- 4 Apply a second layer of liquid coating over the fabric and 10mm around the fabric.
- 5 Allow to cure for a minimum of 24 hours but for best results, allow 5 days.
- 6 Check the adhesion by slicing an "X" approximately 150 mm in size near the centre of the test patch.
- 7 Using a spatula, try to remove the material at the centre of the "X".
- 8 Test patches that show good adhesion will release with difficulty and may leave some of the coating on the underlying substrate.
- 9 Test patches that peel up easily with no coating left on the underlying substrate reflect poor adhesion.

If adhesion is in doubt, please contact our Technical Department for further instructions.

Application Technique

FIX-R Liquid Waterproofing should be applied wet-on-wet with a roller or brush.

- 1 Apply a heavy base coat to the substrate
- 2 Embed the polyester fabric into the base coat
- 3 Apply a heavy top coat to the saturated fabric

The minimum coverage rate is 1.5L/m² subject to the substrate and application conditions.

It is recommended that you begin with any detail work first and then apply the field area. All details should be double reinforced with FIX-R Fabric cut to specific patterns for corners, outlets and vent pipes. Use FIX-R Jointing Tape on board and insulation joints and then cover with the full system.

When the fabric overlaps on a flat surface, it must have an overlap of 75mm minimum. On vertical surfaces such as pipes or outlets, it must have an overlap of 50mm minimum.

Tools Required

- Paint Roller
- Scissors
- Brush
- Gloves

Drying & Curing

- The system is water repellent on application, however if rain does fall before the waterproofing liquid 'skins' over the surface, it may incur small indents. Should this occur, apply a light overcoat once completely dry to ensure a smooth finish.
- The system will dry or skin over in 45 minutes to 2 hours. Full cure will be reached in 3 to 5 days.

Clean up

- Uncured FIX-R Liquid Waterproofing can be dissolved with mineral spirits.
- Cured FIX-R Liquid Waterproofing can only be removed mechanically.

Storage

- Unused product can be kept for the duration of the shelf life by resealing the bucket.
- When re-opening to use, if a skin has formed, simply remove the skin and stir before use. DO NOT stir the skin into the material.

Flat Roof Application



Surface before application



Prepare the surface: Use jointing tape to cover joins in the surface



Apply FIX-R Liquid Waterproofing



Apply FIX-R Fabric to reinforce



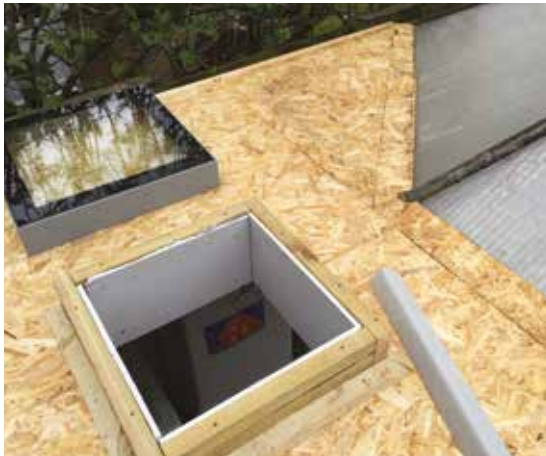
Apply a further coat ensuring 1.5L/m² coverage to finish the roof



Finished roof

A Hybrid Polymer Liquid Waterproofing System

Detailed Roof Application



New build with roof light before application



FIX-R Fabric to reinforce



Detailing to roof light reinforced with fabric



Detailing to roof light with top coat



Finished detailing

For an application
demonstration visit
www.fix-r.co.uk



FIXER

EPDM

Product Selector & Quick Installation Guide

The **FACTS** speak for themselves

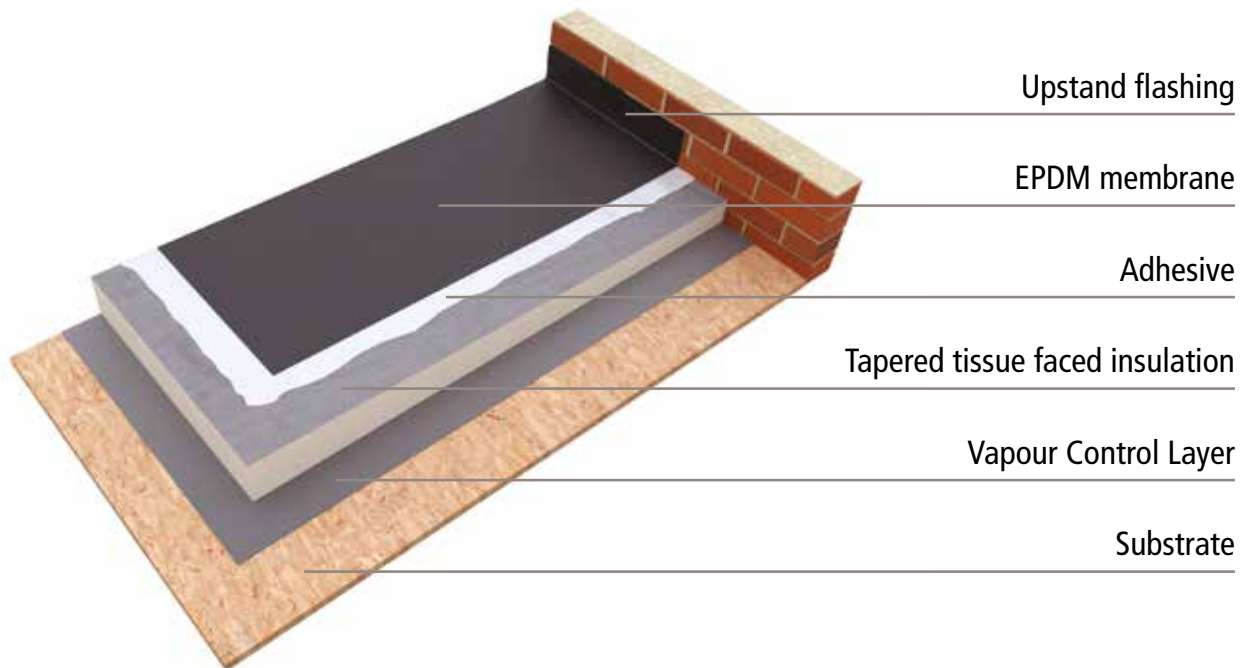
- FIX-R EPDM roofing membranes have a life expectancy of 50 years.
- Manufactured by the world's leading EPDM manufacturer.
- Half a century track record of performance and durability.

Unrivalled

- Unmatched weatherability.
- Flexibility.
- Economical.
- Safety – heat free installation.

Simplicity

- Wide variety of sheet widths – to suit each individual project and customer.
- Choice of sheet thickness.
- Seamless – completely reliable.
- Cut to size service, fast delivery.



What Makes **FIX-R** EPDM the right choice for you:

- Standard 1.2mm membrane is nearly 10% thicker than leading competitors.
- Life expectancy in excess of 50 years.
- One piece sheet equals no joints therefore no leaks.
- Heat & flame free installation, meaning lower insurance costs.
- Excellent resistance to extremes of temperature, UV & ageing.
- High puncture resistance - will not tear, split or crack.
- Quick & clean to install.
- Choice of 1.2mm or Premium 1.5mm thicknesses.
- Maintenance free.
- Environmentally friendly.
- Perfect for refurbishments and new build projects.

Whether it's a small or large flat roof, a refurbishment or a new build, FIX-R is the right choice for you.

Performance You Can Count On

The flat roofing market was revolutionised over 50 years ago with the introduction of EPDM membranes, now over 1.4 billion m² have been installed. Originally produced for the commercial flat roofing market, EPDM roofing has now become the perfect solution for domestic as well as commercial flat roofing projects.

FIX-R EPDM continues to supply the flat roofing market with a range of EPDM membrane sizes and thicknesses and innovative products, but one thing remains the same – the watertight performance, durability and dependability of FIX-R EPDM membranes.

Manufactured by the world's leading EPDM manufacturer, no other EPDM membrane can match the strong track record of the FIX-R EPDM flat roofing system. FIX-R EPDM has many material characteristics including longevity, weatherability and elasticity. FIX-R membranes are strong, lightweight, easily installed and are the perfect solution for flat roof renovation and new flat roof installations.



Simple and fast installation with the FIX-R EPDM membrane and accessories

FIX-R EPDM Product Range

FIX-R EPDM Membranes

These professional grade membranes are available in 1.20mm and 1.50mm thicknesses. All available as whole roll items on 3m cores or in a cut to size format to suit your requirements.

Features:

- Available in 3.05, 4.57, 6.10, 7.62 & 9.15m wide by 30.5m long.
- 1.20mm & 1.50mm thick sheets.



FIX-R Roof Deck Adhesive (WBA)

This high strength, low odour water based acrylic adhesive is specifically designed for use with FIX-R EPDM Membrane applied to timber deck surfaces.

Features:

- Available in 2.5L (7 - 10m² coverage), 5L (14 - 20m² coverage) and 15L pails (42 - 60m² coverage).
- Designed to be roller applied to flat roof surfaces.



FIX-R Bonding Adhesive

A high strength, solvent based bonding adhesive, specifically designed and manufactured for flat roofing installations. Perfect for bonding FIX-R EPDM Membrane to horizontal and vertical surfaces. Suitable for a range of surfaces e.g. timber, brickwork, metal, PVC and concrete.

Features:

- Available in 1L (1.5 - 2 m² coverage), 2.5L (4 - 5m² coverage) and 5L (8 - 10m² coverage).
- Designed to be roller applied to the substrate and sheet backing.



FIX-R EPDM Primer

FIX-R Primer is a solvent based product designed for one step cleaning and priming of EPDM and other suitable surfaces prior to the application of FIX-R Pressure Sensitive (PS) accessories such as 76mm PS Secure Tape, 152mm PS Cover Strip, 228mm PS Uncured Flashing, PS Pipe Seals and PS Walkway Pads.

Features:

- Available in 0.5L and 1L containers.



FIX-R 76mm Pressure Sensitive (P.S.) Secure Tape

FIX-R PS Secure Tape is manufactured with a clear poly backing for easier on-site application, offering over 30% greater peel and sheer strength when compared to market rivals. This tape is designed for use with FIX-R EPDM roofing systems to fuse the EPDM membranes together when installing an overlap seam.

Features:

- 30.5m long rolls x 76mm wide.
- Clear Poly Backing.
- To be used with FIX-R Primer.



FIX-R 152mm Pressure Sensitive (P.S.) Cover Strip

FIX-R 152mm PS Cover Strip is used for stripping in metal edging, drip edges, gravel stops and fastening plates. This tape consists of a 1.52mm semi cured EPDM strip laminated to a 0.76 mm fully cured synthetic rubber based pressure sensitive adhesive.

Features:

- 152mm by 30.5m long rolls.
- Resists tearing, cracking and abrasion in all weather conditions.
- Can be used when seaming with FIX-R 76mm PS Secure Tape is not possible.
- Must be used with FIX-R EPDM Primer.



FIX-R 228mm Pressure Sensitive (P.S.) Uncured Flashing Tape

FIX-R PS Uncured Flashing Tape is easily moulded and highly adaptable to irregular shapes and surfaces. This self-curing tape is ideal for flashing and waterproofing of roof details such as pipes, corners, outlets and other penetrations.

Features:

- 228mm wide by 15.25m long rolls.
- Easily adaptable to irregular shapes and surfaces.
- Must be used with FIX-R EPDM Primer.



FIX-R Pressure Sensitive (P.S.) Pipe Seals

FIX-R EPDM PS Pipe Seals are available in two sizes – small 12.5 - 76mm and large 25 - 152mm in diameter. FIX-R EPDM Pipe Seals are cured, pre-moulded EPDM Flashings for round flat roof penetrations, with pre-applied secure tape to the base and a stainless steel clamping ring.

Features:

- Pre-applied Secure Tape on the base of the pipe seal allows fast and simple application.
- Ribbed collar for accurate cutting to pipe size.
- Stainless steel clamping ring.
- Must be used with FIX-R EPDM Primer.



Simple and fast installation with the FIX-R EPDM membrane and accessories

FIX-R Pressure Sensitive (P.S.) RUSS Strip

In common with most single ply material, non-reinforced EPDM membranes will overtime try and pull back to the centre of the membrane by up to 10%. The base tie-in (RUSS) controls the membrane movement and stops the membrane moving away from the perimeter of the roof and upstand details.

FIX-R PS RUSS (Reinforced Universal Secure Strip) is used to mechanically secure EPDM membranes to the substrate. The strip has tape pre-applied along one edge and can be installed horizontally or vertically in conjunction with FIX-R Seam Fastening Plates below the EPDM membrane for additional membrane securement.

Features:

- Ideal for perimeter securement and around penetrations.
- Available in 152mm x 30.5m length rolls.
- Used with FIX-R EPDM Primer.
- Must be used in conjunction with the appropriate fasteners for the substrate.



FIX-R Seam Fastening Plates

FIX-R Seam Fastening Plates are used with FIX-R RUSS Strips to securely clamp the RUSS to the vertical or horizontal surface.

Must be used in conjunction with the appropriate fasteners for the substrate.



FIX-R 75-175mm Plastisol Steel Edge Trim & Termination Bars

For creating a high quality finishing edge to the roof perimeter. Available as 100mm wall flashing and 75 - 175mm deep perimeter trim. The wall trims offer an economical alternative to lead and are not susceptible to theft. Each trim is 3 metres long, fixed in to the wall with RB fasteners.

Perimeter trims feature a drip return on the bottom, with a range of sizes available. Termination Bars are used to create a compression seal to upstands if cutting a chase isn't possible and as a compression to neighbouring roof systems.

Features:

- 3 metre lengths for efficient installation.
- Clean, simple finish to the flat roofing system.



FIX-R RB Trim Fasteners

Trim fasteners are colour matched, low profile fasteners complete with an EPDM Washer to create a watertight seal. Used when mechanically fixing wall trims and edge trims.

Features:

- 35mm and 45mm lengths.
- Supplied with star drive bit.
- Low profile, colour coded to match Plastisol Trims.



FIX-R PVC Perimeter Trim

A high quality, durable roof edge trim manufactured from co-extruded uPVC, the same technology trusted by the industry to manufacture uPVC solid fascia, and ready to install straight out of the box. Providing a neat, simple and fast finishing detail for the edge of any flat roof.

Supplied in 2.5m lengths, it's easily cut on site using traditional roofing tools leaving no sharp edges. The pre-drilled trims save time and improve accuracy when installing.



FIX-R Check Kerb Trim

Fast and easy to install with a pre-applied water seal. FIX-R trims are solid cored for strength which removes the need and cost of additional caps used in hollow trims.

Features:

- Black or White with smooth, gloss appearance.
- Pre-applied water seal and pre-drilled fixing holes.
- Market leading quality.



FIX-R Gutter Trim - Built-in Batten or Standard Back Plate

FIX-R Gutter Trim is fast and easy to install with a pre-applied water seal on the clamping trim. A choice of 'Built-in Batten' saving the time and cost of an additional timber back plate or 'Standard' back plate which is fitted to the existing batten drip edge.

The two part drip edge trim securely clamps the membrane by mechanically fixing and prevents warping or popping experienced with 'clip in' systems. The outer trim section features a built in water seal to accommodate different thickness membranes, seams and detail flashings.

Features:

- Black or White with smooth, gloss appearance.
- Pre-applied water seal and pre-drilled fixing holes.
- Choice of back plate thicknesses.



Built-in batten



Standard back plate

Simple and fast installation with the FIX-R EPDM membrane and accessories

FIX-R Corners and Joiners

Both FIX-R Gutter Trim and FIX-R Check Kerb Trim systems have joiners, internal corners and external corners, to allow for all roof details.

Kerb and Gutter Joiners

The joiners simply clip into place, made from the same gloss finish uPVC, creating a neat, seamless appearance.

External Corners

Both the gutter and check kerb have external corners details in both black and white. These components make the detailing of roof perimeters fast and easy without having to make any compromise.

Internal Corners

Both the gutter and check kerb have internal corners in both black and white. These components make the detailing of roof perimeters fast and easy, saving the need and time of trying to manufacture neat corners on site. Corners are either glued or fixed in position.



FIX-R Roof Outlets

The FIX-R range of outlets provide the installer with a fast, effective method of detailing to flat roof outlets.

FIX-R 68mm Flat Roof Outlet

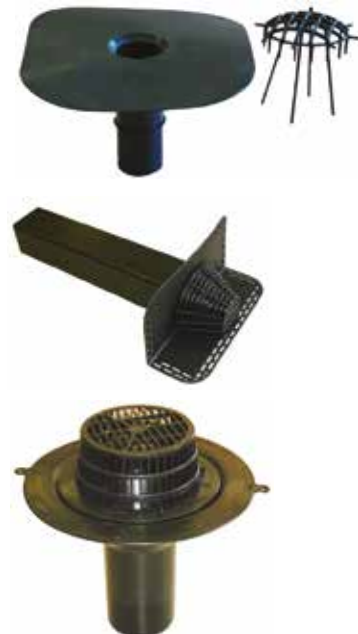
The pre-formed 68mm outlet is a fast, efficient method of connecting FIX-R flat roofing systems to existing 68mm internal rainwater pipes on domestic and small commercial roofs. Seamed to the membrane with FIX-R 228mm PS Uncured Flashing Tape and FIX-R EPDM Primer.

FIX-R Horizontal Roof Outlet

The horizontal roof outlet is designed as an outlet through parapet walls and pitched roofs as well as the potential to be used as a vertical drain in box gutters. Seamed to the membrane with FIX-R 228mm PS Uncured Flashing Tape and FIX-R EPDM Primer.

FIX-R 110mm Top Drain

Top drains give a fast, clean and secure method of joining FIX-R EPDM Membranes to 110mm rainwater pipes for larger flat roofs and commercial properties. The outlet is joined to the EPDM Membrane with the integral clamping ring and FIX-R Water Cut-Off Mastic.



FIX-R Water Cut-Off Mastic

For use in a compression termination, this one part mastic is used in a variety of situations where a compression termination of the FIX-R EPDM Membrane is required.

Features:

- Each tube covers 3 linear metres. This is only to be used as a compression type mastic, not as a sealant for wall chases or gaps.
- Must be used in conjunction with the appropriate fasteners for the substrate.

FIX-R Lap Sealant

The FIX-R Lap Sealant mastic cures off to give a tough rubber consistency. Ideal for sealing wall chase details and using as a finishing bead to compression type joints, it should also be used to protect the edges of 228mm tape if risk of submergence exists.

Features:

- Fast, clean, simple finish to the flat roofing system.



Simple and fast installation with the FIX-R EPDM membrane and accessories

FIX-R EPDM Quick Installation Guide

Simple and fast installation with FIX-R EPDM Membrane and accessories.
Full installation guide and datasheets are available at www.fix-r.co.uk

A. Installing the FIX-R EPDM Membrane

- 1 Unroll the FIX-R EPDM Membrane over the substrate so that the sheet is in position and wrinkle free.
- 2 FIX-R Water Based Roof Deck Adhesive (WBA) is intended for bonding to timber surfaces only. Other surfaces must be installed with FIX-R Bonding Adhesive. Roofs over 100m² must be installed with FIX-R Bonding Adhesive.
- 3 It is essential that the FIX-R EPDM Membrane is allowed to relax prior to adhering. The time for this will vary depending on weather conditions.
- 4 Cut the membrane to length and position the sheet to achieve an overhang off the roof of at least 75mm (3") on both the length and width.
- 5 The RUSS (Reinforced Universal Secure Strip) should already be installed wherever the membrane turns up through an angle change. Fold the sheet onto itself so that one-half of the sheet is exposed.
- 6 Thoroughly stir the FIX-R WBA Adhesive or Bonding Adhesive. Using a medium nap paint roller apply the adhesive to the substrate.
- 7 The adhesive must be applied to 100% of the surface in an even coat without globs or puddles. Alternatively apply a thin coat to the membrane and substrate.
- 8 Lay the sheet onto the coated substrate avoiding wrinkles by rolling the middle of the sheet first. Immediately after rolling the sheet into the adhesive, broom the membrane to achieve maximum contact.
- 9 FIX-R WBA Roof Deck Adhesive must not be used if temperatures are, or expected to be below 4C° within 24 hours.
- 10 If using FIX-R Bonding Adhesive on the deck area, the adhesive must be applied to the substrate and the underside of the membrane. The FIX-R Bonding Adhesive must be touch dry with no wet puddles or globules before the membrane is mated onto the deck.



B. FIX-R Reinforced Universal Securement Strip (RUSS)

FIX-R PS RUSS is used to mechanically secure FIX-R EPDM Membranes to the substrate. The strip has PS tape pre-applied along one edge, and can be installed horizontally or vertically in conjunction with FIX-R Seam Fastening Plates below the EPDM membrane for additional membrane securement. RUSS should be used at any angle change and at the entire roof perimeter on larger installations.

Seam Fastening Plates are used with RUSS to securely clamp the RUSS to the surface; these must be used in conjunction with the appropriate fasteners for the substrate.



- 1 Mechanically fasten the RUSS horizontally into the decking or into the upstand with the PS section being to the inside of the roof.
- 2 Apply FIX-R Primer to the area on the underside of the EPDM membrane that will come into contact with the 75mm PS tape on the RUSS.
- 3 Once the primer is dry, remove the protective strip from the PS tape on the RUSS. Lay the primed membrane into the PS tape with no wrinkles or air gaps and smooth in by hand, then roll with a hand roller.
- 4 Once bonded to the RUSS, finish the upstand by applying FIX-R Bonding Adhesive to the remainder of the RUSS, upstand and membrane.



Please note: Other UK EPDM distributors state that base ties-ins aren't required on roofs under 100m². The membrane, irrelevant of size, will pull to the centre and eventually pull away from the wall.

C. FIX-R Bonding Adhesive

FIX-R Bonding Adhesive is used on all vertical surfaces on the roof area, e.g. wall upstands, batten and skylight edges. This adhesive will work on porous and non-porous surfaces, providing they are clean and dry. The FIX-R Bonding Adhesive will enable tight angles to be formed quickly and easily to give great product versatility.

- 1 Apply the bonding adhesive to the side of the RUSS or exposed decking. Also apply the bonding adhesive to the relevant upstand termination or step down and to the under side of the FIX-R EPDM Membrane.
- 2 Once the adhesive has become touch dry with no wet puddles, mate the two surfaces together, leaving no voids between the FIX-R EPDM Membrane and the receiving surface.
- 3 Applying positive pressure to the membrane, work the membrane up the upstand to the desired height. These areas should be rolled to achieve a strong bond between the membrane and substrate.



D. Seaming with FIX-R 76mm PS Secure Tape

The membrane should be positioned so that the width of the seam is 76mm (3"). Mark a line 5mm (1/4") from the leading seam edge.

- 1 Fold the top sheet back to expose the seam area. Using a scrubbing pad apply the FIX-R Primer to the seam area. Apply the primer beyond the seam edge to the line. FIX-R Primer must be dry before application of PS tapes.

NOTE: If the EPDM membrane is contaminated with dirt etc., clean the seam area before applying the primer.



Simple and fast installation with the FIX-R EPDM membrane and accessories

- 2 Using moderate pressure, set the PS Secure Tape into place to keep air from being trapped under the tape and unroll the 76mm wide tape along the length of the seam, aligning the PS Secure Tape (not the clear backing) along the chalk line. Care must be taken not to get any bubbles or wrinkles in the tape.
- 3 Lay the top membrane onto the PS Secure Tape. Pull away the poly backing from the tape at a 45° degree angle to the seam. While removing the poly backing, draw your hand across the seam, from the back to the leading edge. Roll the seam at right angles to the seam direction, not along it.



E. FIX-R 152mm PS Cover Strip

When butt jointing a FIX-R EPDM Membrane or seaming to a metal drip or similar, a FIX-R 152mm PS Cover Strip is used. This tape is not for detailing of corners, pipes or penetrations.

- 1 Ensure there is no gap between the membrane when butt jointing. The 152mm cover strip should be centrally located over the joint.
- 2 Apply FIX-R Primer to the area to be seamed. Apply the primer 80-100mm either side of the join in the EPDM sheets.
- 3 Once the FIX-R Primer has dried, peel back 150mm of the poly backing and press the PS cover strip into the primed area. Once the tape is held in position, peel back the poly backing and smooth the tape into the primed area. Progress along the seam.
- 4 Once the entire length of tape is applied to the seam, roll across the 152mm cover strip with a hand roller.
- 5 Where 152mm cover strips intersect other cover strips, FIX-R 228mm PS Uncured Flashing Tape patches must be applied.



F. FIX-R 228mm PS Uncured Flashing Tape

This tape is used for any detail work necessary on the roof. It has the ability to mould to almost any shape and will adhere to most surfaces, provided the surface is clean, dry, and correctly primed with FIX-R EPDM primer.

If submersion of 228mm PS Flashing is likely to occur, all edges should be protected with FIX-R Lap Sealant. Lap Sealant helps to prevent water infiltrating between the flashing ply and the tape ply before the flashing has fully cured on the roof.

Internal Corner

- 1 The fold should be cut back to leave a 75mm wide flap. Apply FIX-R EPDM Primer to the front and back of the flap and to the membrane on the wall. FIX-R Primer must be allowed to dry before the application of the PS Uncured Flashing Tape.
- 2 Cut an appropriate size piece of 228mm PS Uncured Flashing Tape (minimum 50mm wider than the flap of membrane), press the flap back to the upstand and install the uncured flashing tape.
- 3 Roll the taped area with a hand roller once installed.



External Corner

- 1 Cut the FIX-R EPDM Membrane at a 45° angle to allow the membrane to run around the corner and create both upstands. Bond in place with FIX-R Bonding Adhesive. Cut a section of FIX-R 228mm PS Uncured Flashing Tape to a minimum of 75mm onto the deck and 50mm beyond the angled cut in the membrane.
- 2 Apply FIX-R Primer to the marked area to be flashed and allow to dry. The area must be clean and dry before application of the primer. Apply the primer to the membrane and to the upstand substrate. FIX-R Primer must be allowed to dry before application of tapes.
- 3 Start installing the tape from the top point. Work the tape down the upstands first and into the bottom angle change.
- 4 Work the tape onto the deck around the corner and smooth out and roll the entire flashing with a hand roller.



Simple and fast installation with the FIX-R EPDM membrane and accessories

G. FIX-R Pre-Fabricated Pipe Seal

Whether using the small or the large pipe boot, ensure the area where the boot will be adhered, is clean and dry.

- 1 Cut the FIX-R PS Pipe Seal above the raised "rib" one size smaller than the pipe diameter. DO NOT CUT THROUGH THE RIB.
- 2 Pull the pipe seal over the pipe until the base flange is in contact with the FIX-R EPDM Membrane.
- 3 Once in position clamp the seal to the pipe with the supplied metal clamp and mark around the base of the seal to give a line to prime up to. Pull the pipe seal upwards on the pipe to expose the membrane and apply FIX-R EPDM Primer to the EPDM Membrane.
- 4 Pull the pipe seal back down over the pipe and into position. Remove the poly backing from the tape and with hand pressure, press the tape onto the primed area. Roll the splice area with a hand roller.
- 5 Apply FIX-R Uncured T-Joint Patches where the pipe seal intersects a field splice.

NOTE: Temperature of the pipe must not exceed 82° C (180° F)



Fabricated Pipe & Penetration Flashings

To fabricate a pipe boot with 228mm tape, follow the procedures in the full FIX-R EPDM Installation Guide at www.fix-r.co.uk

H. FIX-R Outlets & Drains

There are two basic methods for sealing to an internal drain. FIX-R pre-made outlets of various types can be used for standard outlets or an on-site method may be used for non-standard outlets with FIX-R PS Uncured Flashing Tape.



Flat Roof Outlet for 68mm Outlet

These are 68mm roof outlets designed to be inserted into the existing 68mm diameter down pipe. The outlet is fitted with an anti-backup seal to achieve a watertight joint. The outlet is attached to the membrane using FIX-R 228mm PS Uncured Flashing Tape. A leaf grate for this outlet is also available.

- 1 Cut the outlet flange back to leave a minimum 50mm head and cut the membrane back to meet the perimeter of the outlet head. Secure the outlet into the decking and apply FIX-R Primer to the head of the outlet and to the EPDM Membrane.
- 2 Apply the Uncured PS tape to the primed area. Once fitted, cut a small section from the centre of the tape out to expose the outlet opening and press the remaining tape down into the outlet. Roll the entire flashing with a hand roller.
- 3 Finally, install the leaf grate to complete the 68mm flat roof outlet.



Top Drain

These are designed for 110mm flat roof outlets to allow high water flow on larger roofs.

- 1 Fit the outlet into the roof before installing the membrane; ensure the outlet has the yellow protective cap installed. Install the FIX-R EPDM Membrane to the roof and over the outlet. Place the cutting guide over the pin and cut around the circular plate.
- 2 Remove the circular section of membrane and the yellow protective cap from the outlet.
- 3 Insert a bead of FIX-R Water Cut-Off Mastic between the underside of the membrane and the top flange on the outlet. Screw in the clamping ring until it's completely tightened. Use the two tightening lugs to apply leverage to the ring.
- 4 Install the leaf grate into the three locating tabs.



Horizontal Roof Drain

These are for roofs designed with horizontal drains to go through walls and pitched roofs. The FIX-R Horizontal Roof Drain is fitted to the deck and sealed to the membrane using FIX-R 228mm PS Uncured Flashing Tape.

- 1 Install the outlet into the parapet wall before installing the FIX-R EPDM Membrane. Install the FIX-R EPDM Membrane over the outlet with FIX-R Bonding Adhesive.
- 2 Cut the EPDM membrane away from the outlet opening by 50mm. Apply FIX-R Primer to the membrane, outlet face and into the outlet pipe.
- 3 Install 228mm PS uncured flashing tape to the outlet. This should be large enough to join onto the membrane by a minimum of 50mm. Cut a small square out of the middle of the tape and mould the tape into the outlet pipe by 25mm.
- 4 Cut a second section of 228mm PS flashing tape 100mm wide. This will be inserted into the outlet pipe to reinforce and lengthen the tape that was turned into the pipe by 25mm. Apply FIX-R Primer to the outlet pipe and to the already installed tape before application.
- 5 Once the second section of tape is installed, complete by inserting the leaf grate into the outlet.



Simple and fast installation with the FIX-R EPDM membrane and accessories

I. FIX-R Wall Trim

- 1 Before the membrane is laid, cut a chase into the mortar line a minimum of 150mm above the flat of the roof surface, at least 25mm deep. Clean all dust and debris from the chase, wall and roof area.
- 2 Ensure the membrane is fully bonded up to the chase with FIX-R Bonding Adhesive.
- 3 Insert the wall trim into the chase and fix at a maximum of 300mm spacing with FIX-R RB Fasteners. Overlap the trim end by a minimum of 150mm.
- 4 To bend around corners, simply snip the top 25mm edge and bend to create the desired angle.
- 5 Seal the top edge of the trim to the wall with FIX-R Lap Sealant.



J. Coping Stone Parapet

- 1 Lay FIX-R EPDM 2/3rds across the wall using FIX-R Bonding Adhesive and apply a bead of water cut-off mastic under the outside edge of the membrane and compress.
- 2 Apply an even bed of mortar from the membrane and onto the outer brick wall.
- 3 Lay suitable coping stones, ensuring they have sufficient overhang and drip channels.

The full FIX-R EPDM Installation Guide is available to view and download at www.fix-r.co.uk

K. FIX-R PVC Perimeter Trims

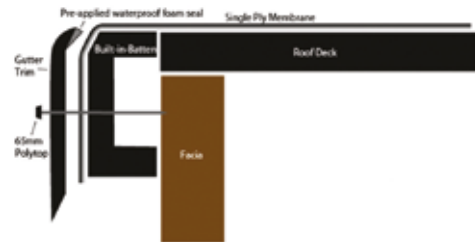
Gutter System

This is available in two options, 'standard' and 'built-in batten' back plate. The standard requires a timber batten to be installed first, then the back plate fixed to it. The 'built-in batten' doesn't require the extra timber batten.

- 1 Fix the 25mm x 40mm back plate to the fascia at the edge of the roof.
- 2 Allow a minimum of 50mm FIX-R EPDM Membrane to go over the back plate.
- 3 Position the front plate with foam seal to clamp the membrane between the two sections and fully fix into place with the supplied fixings.
- 4 Between lengths, allow a 2.5mm expansion joint for each trim.
- 5 All corners are adhered or fixed in place with polypins.

Note: In areas of high wind, exposed areas and high buildings, additional fixings between pre-drilled holes is recommended.

Gutter trim – built in batten



- No extra purchasing of batten or struggling with batten
- Complete rot free roof perimeter

Gutter trim – standard back plate



- Alternative option, back plate fits to existing timber batten
- Ready to fit complete with water seal
- Pre-drilled for fast, accurate fitting

L. FIX-R Check Kerb System

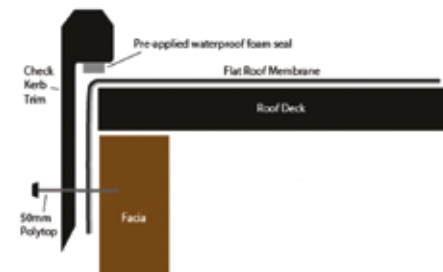
Used to create upstand and edge trim in one go. The FIX-R Check Kerb Trims have a pre-applied water seal for fast, tidy installations.

- 1 Lay the membrane and allow a minimum of 75mm overhang.
- 2 Ensure the membrane is clean; position the edge trim and firmly push down to compress the water seal by a minimum of 30%.
- 3 Fix the trim into place using the supplied PolyTop fixings.
- 4 Between lengths, allow a 2.5mm expansion joint for each trim.
- 5 All corners are adhered or fixed in place with polypins.

Note: If a secure fixing cannot be achieved, a timber fixer should be fitted to the vertical edge of the roof.

In areas of high wind, exposed areas and high buildings, additional fixings between pre-drilled holes is recommended.

Check kerb – edge trim



- Labour saving, no fixing of perimeter timber or forming membrane over batten
- Solid core trim, complete with all corners and joints
- A simple position, compression and fix install

Simple and fast installation with the FIX-R EPDM membrane and accessories



Please visit our website to view or download our Product Datasheets and Material Safety Datasheets

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FIXER

FIX-Rcryl Patch & Repair

Product Overview & Application Guide

Introduction

FIX-R FIX-Rcryl is a roof coating designed to be a cost effective all year round refurbishment waterproofing solution. A solvent based acrylic resin system, FIX-Rcryl is formulated to give optimal flexibility and durability and is available in 5kg and 20 kg tins in white, grey and black. All three colours are low odour* and benefit from a high dry film build due to the low VOC content.



Description

- Low odour* and VOC emissions
- Ready to use straight from the can
- Cold applied
- Instant shower protection
- Fibre reinforced for gap filling
- Unaffected by temperature

*When compared to leading brand repair compounds.

Uses

FIX-Rcryl is ready for use and is cold applied to all types of roofs, including flat and pitched as well as bituminous surfaces, gutters, brickwork, asbestos (see porous substrates section), concrete, felt, metal and fibreglass surfaces.

FIX-Rcryl is not suitable for walkways or balconies and is not suitable for use on PVC or timber surfaces or for internal use.

Surface Preparation

Remove all loose contamination from the roof such as chippings, moss, lichen, dust and dirt. Where growth was present the area should be treated with fungicidal wash in accordance with manufacturer instructions. Metal surfaces should be cleaned with a wire brush to remove rust and provide a key. Any splits or blisters should be cut and sealed prior to the application of FIX-Rcryl.

Application

Always try a test patch prior to large scale application.

Apply a generous coating of FIX-Rcryl to the area using a brush or roller at a rate of 1-2 kg per m² dependant on the substrate, the recommended application temperature is between 5°C - 25°C.

FIX-Rcryl can be applied to damp surfaces and can bridge cracks of several mm wide due to the fibre content.

Any larger voids should be filled with a suitable tape reinforcement.

FIX-Rcryl has a drying time of 2-3 days depending on atmospheric conditions but will be waterproof immediately after application.

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FIX-R

Suitable Substrates

Metals

Ferrous metals – Both new and weathered ferrous metals as well as painted galvanised, steel and iron.

Non-ferrous metals – Both aluminium sheeting and alloy box gutters as well as painted non-ferrous metals.

Porous Substrates

Asbestos cladding, sheeting and guttering as well as concrete should be primed before applying FIX-Rcyl.

Non-Porous Substrates

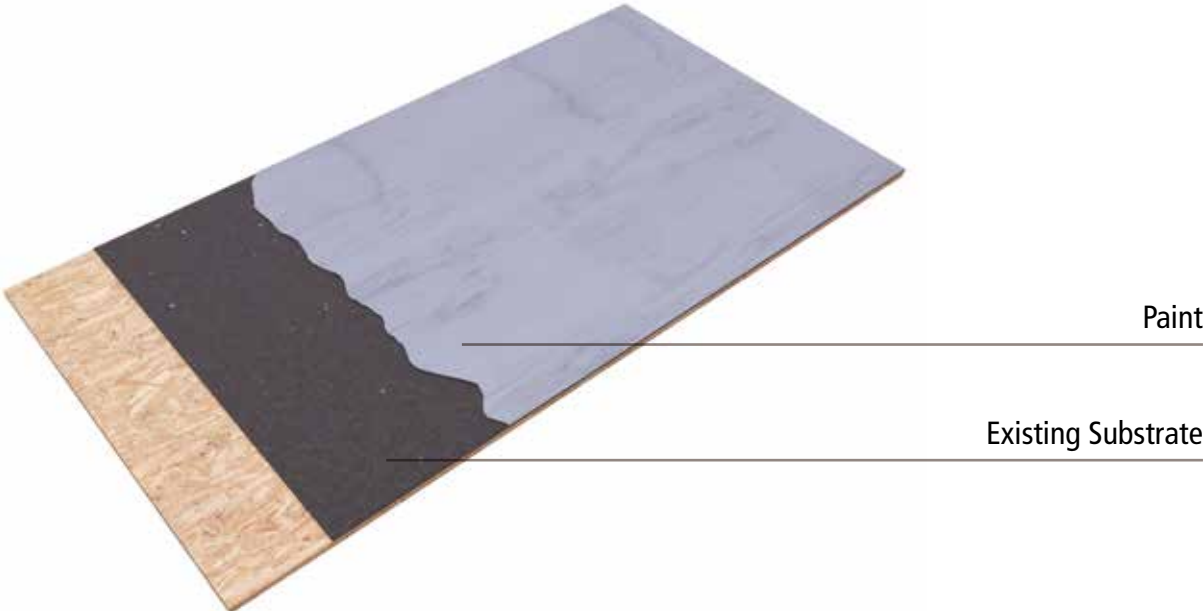
Ensure that polished bricks and slate have been power washed prior to applying FIX-Rcyl, the substrate should be completely dry and free from any contamination.

Bitumen Surfaces

Please note that discolouration may occur when FIX-Rcyl is applied on to new asphalt, bitumen or tar surfaces meaning an extra coat may be required. In addition, old bitumen may crack, in this case further advice should be sought.

Previously Coated or Painted Surfaces

Ensure that an inspection of the substrate has been carried out, adhesives tests on any existing coating or substrate prior to application is highly recommended.



FIX-Rcyl is a cold applied, easy to use one coat waterproofing solution

Technical

Precautions

- FIX-Rcryl is flammable and must be kept away from ignition sources
- Always ensure good ventilation during and after application
- If FIX-Rcryl comes in contact with eyes, rinse immediately with water and seek medical advice
- When applying FIX-Rcryl always wear gloves, goggles and suitable PPE
- Keep FIX-Rcryl out of reach of children
- FIX-Rcryl is toxic to aquatic animals, do not use near fishponds as may cause long term adverse effects
- Do not empty into drains

Important Information

- When using FIX-Rcryl, ensure a minimum finished fall of 1:80 is achieved
- FIX-Rcryl is not recommended for use to treat wooden surfaces, tanking or fish ponds and is not recommended for internal use
- Ensure that air conditioning vents are sealed for a minimum of 24 hours during and after application
- For cleaning equipment, use white spirit



Torch On Felt

Product Selector and Application Guide

FIX-R Classic Torch On Felt

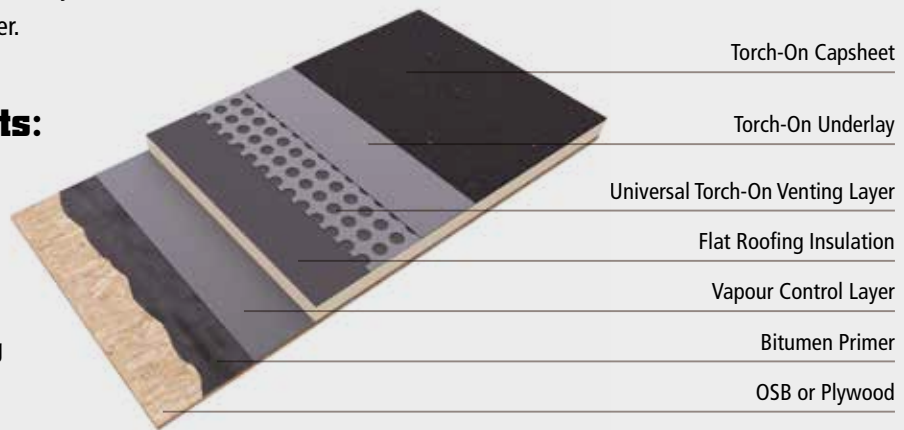


FIX-R Classic membranes are ideal for new roofs and the repair of existing felt and asphalt roofs.

The FIX-R Classic Roofing System consists of a modified bitumen Capsheet, Universal Underlay and Universal Torch On Venting Layer.

Features & benefits:

- Tough, rot proof polyester reinforcement
- Torch on application - no bitumen boiler required
- Rapid melt sacrificial backing speeds torching application
- Range of 4 colours - Green, Blue Grey, Brown and Black



	Guarantee*	Roll Length/ Width	Finish	Roll Weight	Weight m ²
FIX-R Classic Capsheet	10 Years	8 x 1m	Green Mineral	36.0kg	4.13kg/m ²
FIX-R Classic Capsheet	10 Years	8 x 1m	Blue/Grey Mineral	36.0kg	4.13kg/m ²
FIX-R Classic Capsheet	10 Years	8 x 1m	Brown Mineral	36.0kg	4.13kg/m ²
FIX-R Classic Capsheet	10 Years	8 x 1m	Black Mineral	36.0kg	4.13kg/m ²
FIX-R Classic Universal Underlay	-	16 x 1m	Sand	36.0kg	2.10kg/m ²
FIX-R Universal Torch On Venting Underlay	-	20 x 1m	Sand	28.0kg	1.4kg/m ²

*Build up must be installed in accordance with the British Standards Code of Practice.

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Technical

Application

FIX-R Classic Torch On Capsheets should be installed in accordance with BS8217 and BS6229. The application should follow the recommended good practices for torch-applied membranes.



Preparation

The surface over which the membranes are to be installed should be clean and dry and the deck must comply with the relevant requirements of BS6229. If a primer is necessary, this must be allowed to dry completely. Porous or very dusty /friable surfaces may require a second coat of bitumen primer.

Installation

Normal good practice must be followed and be generally in accordance with BS8217.

Apply the Torch On Capsheet by melting the heat dispersible backing and coating to create a molten flow in front of the roll. The flame of the torch should be applied at the low point where the roll meets the underlay. As the film and bitumen melts, roll the roofing membrane forward. Side joints in the sheets should be fully bonded and formed using the 75mm selvedge, end laps should be a minimum of 100mm. A bead of bitumen must exude from all side and end laps joints to ensure a seal.

In compliance with good roofing practice, completed work should be protected from damage, particularly if following trades will be working on or over the roof.

Care must be taken when applying these torch on membranes in close proximity to combustible materials, decorative coatings and heat sensitive materials.

Storage

FIX-R Classic Torch On Capsheets should be stored on end, on a clean level surface away from excessive heat and under cover.

The right solution for the job





Please visit our website to view or download our Product Datasheets and Material Safety Datasheets

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Liquid 10 System

Product Selector & Quick Installation Guide

FIX-R Classic Liquid 10

FIX-R Classic Liquid 10 is a single component rapid curing polyurethane liquid membrane that is easy to apply over existing roofing systems, creating a durable and seamless waterproof layer.

Its formulation allows a fast curing, bubble free, single coat application roofing system to be created. Due to its excellent tensile strength, there is usually no need to incorporate a reinforcing fabric, making application a breeze.



LIQUID 10

Recommended for Waterproofing and Protection of:

- Asphalt and Bitumen Roofs
- EPDM membranes
- GRP Roofing Systems
- Metal and cement fibre roof sheets
- Gypsum and cement boards
- Concrete roofs
- OSB3 T&G Structural Roof Decks

Features and Benefits:

- Fast curing
- Bubble free smooth finish
- Excellent weather and UV resistance
- Will remain elastic even down to -40 degrees centigrade
- Will not soften in high temperatures
- High tensile and tear strength, excellent abrasion resistance

Application Procedure

Surface Preparation & Priming

Clean the surface to be treated with a high pressure washer or a stiff broom and soapy water to remove all oil, grease, wax contaminants, cement laitance and loose particles.

FIX-R Classic Primer 10 must be applied to all surfaces prior to the application of the waterproofing membrane. Make good all cracks and blisters and fill surface irregularities with a suitable product. Allow to fully dry. Apply Primer 10 at a sufficient coverage rate to seal the surface. Primer coverage rates will vary dependant on surface porosity. Allow primer coat to fully dry.

Any gaps in the substrate over 2mm wide or movement joints must first be filled with FIX-R Classic JointSeal 10 prior to the application of the FIX-R Classic Fibred 10.

If the membrane is to be installed over timber decks, OSB3 T&G 18mm must be used. The T&G joints must first be "glued" together by applying JointsSeal 10 into the rebate. Boards are then pushed together and surplus JointSeal 10 tooled smooth. The joints must then be reinforced by applying a 100mm (minimum) strip of Fibred 10 onto the primed surface at a rate of 1ltr per m² minimum. It is recommended to create a fillet or cant strip using JointSeal 10 at the base of all upstands.

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Application of Membrane

Use a low speed (300rpm) mixer. Mix thoroughly taking care not to introduce air into the liquid, creating bubbles.

It is recommended that all detail and perimeter works are carried out before the main field areas. On vertical surfaces, internal/external corner details and outlets/pipe collars, Fibred 10 should be used at approximately 1kg per m² as this product is thixotropic so will not sag.

Liquid 10 must be applied over this detail at approximately 1kg per m². Apply the material with a roller, brush or squeegee in one or two coats, ensuring that you achieve a bubble free and even application. Do not exceed 48 hours between coats as this will affect inter-coat adhesion.

Surfaces that have exceeded 48 hours between coats will need to be primed with Primer 10 to ensure a proper bond to the previous coat.

Coverage Rates

Minimum total consumption must be at least 1.5kg per m².

Suggestion: If the area to be treated is substantial, it is good practice to grid out the roof to ensure that the recommended coverage rates per m² are achieved.

Cleaning

Clean tools and equipment initially with paper towels and then a suitable solvent.

Roller heads will not be re-useable.

Limitations

All substrates must be sound, clean and any bubbles and blisters must be made good before work commences. Liquid 10 cannot be used in areas where the system may come into contact with chemically treated water such as swimming pools. It is not safe for fish ponds.

Packaging

Available in 15kg metal drums.

Designed to protect flat roofing surfaces



FIX-R Classic Fibred 10



FIBRED 10

FIX-R Classic Fibred 10 is a thixotropic, fibre reinforced, single component, polyurethane liquid membrane. Due to its unique formulation, it cures rapidly to form a bubble free thick layer membrane with excellent mechanical properties.

The reinforcing fibres within the product enable the applicator to form complex weathering details without the need to cut and shape sheet reinforcing material. Due to its thixotropic properties it is less prone to sagging when applied to vertical surfaces.

Fibred 10 is easily applied with a brush or roller.

Recommended for:

- Internal and external corner details as a reinforcing detail
- Detailing around pipes and flashings as reinforcing detail
- Reinforcing of joints in OSB Decking or approved insulation boards
- Application into concrete gutters
- Ideal for vertical up stand work as less prone to sagging
- Deck/ wall interface reinforcement

Features & Benefits:

- No additional reinforcement necessary
 - Fast Curing - skins over in 2-3 hours
 - Thixotropic - less prone to sagging and slump
 - Bubble and defect free membrane
 - Excellent weather and UV resistance
 - Excellent thermal resistance - the product never turns soft
- Recommended service temperatures 80°C, maximum shock temperature 200°C*
- Remains elastic down to -40°C
 - Excellent mechanical properties, high tensile and good tear strength, high abrasion resistance
 - Good chemical resistance

Application Procedure

It is essential that the intended substrate is thoroughly cleaned with a high pressure washer, on smaller areas a stiff broom and soapy water will suffice. Remove all oil, grease and wax contaminants, cement laitance and loose particles.

Make good all cracks and blisters and fill surface irregularities with a suitable product. Allow to fully dry.

Apply FIX-R Classic Primer 10 at a sufficient coverage rate to seal the surface. Primer coverage rates will vary dependant on surface porosity. Allow the primer coat to fully dry.

Coverage Rates

As a stand-alone coating the minimum coverage rate is 1.8kg/m². As a joint reinforcing or detailing membrane the minimum coverage rate is 1.0kg/m². Fibred 10 must be over coated with Liquid 10 within 48 hours or further application of Primer 10 will be required.

Cleaning

Clean tools and equipment initially with paper towels and then with a suitable solvent.

Roller heads will not be re-useable.

Packaging

Available in 5kg and 15kg re-sealable metal drums.

Once opened, use as soon as possible.

Designed to protect flat roofing surfaces



FIX-R Classic JointSeal 10

JOINTSEAL 10



FIX-R Classic JointSeal 10 is a novel low modulus expansion joint sealant, especially formulated to contain both PU and Silylated-PU technology, thus giving rise to a sealant which includes the best of both technologies. It has been modified in order to give enhanced thixotropic properties.

JointSeal 10 cures by reaction with atmospheric humidity to produce a joint sealant with a 50% joint movement accommodation factor and excellent adhesion on substrates, traditionally problematic for PU sealants such as glass, aluminium, steel, polycarbonate, etc.

JointSeal 10 is easy to apply even in very low temperatures and the storage stability is unlike any polyurethane sealant in the market.

Recommended for Sealing Joints in:

- In situ Concrete
- Expansion concrete plates
- Precast panels
- Brick and block work
- Water tanks
- Metal frames
- Aluminium windows and panels
- Water tanks and swimming pools
- Sealing between T&G joints in OSB3 T&G structural roof decks

Features & Benefits:

- Excellent adhesion to almost any surface
- Excellent extrusion, tooling and storage stability over a wide range of climatic conditions
- Excellent chemical resistance, suitable for sealing joints in swimming pools and chemically treated water
- Low modulus, joint movement accommodation 50%
- Microorganism and fungus resistant
- Application underwater immersion possible
- Excellent resistance to heat >600°C and will remain flexible down to -400°C

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Application Procedure

Clean the joint thoroughly and ensure that no oil, grease, silicone or wax contaminants are present. For most applications primer is not required unless onto a very porous or friable surface. If primer is required, use FIX-R Classic Primer 10. Bond area surfaces thoroughly to avoid the possibility of air bubbles being blown into the uncured product should the substrate temperature rise. On applications where the depth of the expansion joint exceeds the width, then it is necessary to use an open cell polyurethane backing rod (of suitable size) to ensure a firm backing to the JointSeal 10 against which it can be tooled off.

Slide the 600cc foil cartridge into the application gun, cut off the very end of the sealant packaging and fit the gun with the nozzle that has been cut to deliver the right bead size for the given application.

Extrude the JointSeal 10 into the joint ensuring that no air is trapped in the joint. Wide joints may well require more than one pass of the application gun to ensure full contact of the JointSeal 10 with the sides and bottom of the joint. Tooling of the JointSeal 10 is recommended immediately after application of the sealant to ensure that all air bubbles are excluded and a smooth finish provided, if other products are being applied over.

Limitations

Not recommended for direct application to unsound substrates.

If in doubt, prime with FIX-R Classic Primer 10.

Packaging

Available as a 600cc Sausage.

Designed to protect flat roofing surfaces



FIX-R Classic Primer 10

PRIMER 10

FIX-R Classic Primer 10 is a single component polyurethane primer suitable for most substrates. It can be used on both porous and non-porous substrates and must be used prior to the application of FIX-R Classic Liquid 10.

It is characterised by its very low viscosity and balanced curing speed which results in excellent wetting, penetration and paint over time on all substrates. Additionally, it can be used on dry concrete, not only as a primer but also as a low cost sealing solution onto that substrate.

Recommended for Use as a Primer Over:

- Asphalt
- Built up felt
- Ceramic tiles
- OSB Decking and all other timber surfaces
- Recovery Boards
- GRP Metal

Primer 10 may be used as a "reactivation primer" over FIX-R Classic Liquid 10 and FIX-R Classic Fibred 10 if these products require over coating after the 48 hours cure time has been exceeded. It may also be used as a sealer over concrete and brick.

Features & Benefits:

- Single component (no additional accelerator to add)
- Low viscosity
- Easy to apply by brush or roller
- Excellent wetting, penetration and drying time
- Elastic

Application Procedure

It is essential that the intended substrate is thoroughly cleaned with a high pressure washer; on smaller areas a stiff broom and soapy water and rinse will suffice. Remove all oil, grease and wax contaminants, cement laitance and loose particles. Make good all cracks and blisters and fill surface irregularities with a suitable product. Allow to fully dry.

Apply Primer 10 at a sufficient coverage rate to seal the surface. Primer coverage rates will vary dependant on the surface porosity. Allow the primer coat to fully dry (approximately 2 hours but this is dependent on ambient air temperature and humidity).

Coverage Rates

Approximately 0.1-0.3 ltrs/m² dependant on the porosity of the substrate. For semi-porous substrates the coverage rate is typically 0.2ltrs/m².

Cleaning

Clean tools and equipment initially with paper towels and then with a suitable solvent.

Rollers and paint brushes will not be re-useable.

Limitations

Product will discolour if used as an exposed sealer. This is purely visual and does not affect the performance of the membrane. If the primed surface has been rained on then the area must be dried and further primer applied.

Packaging

Available in 4ltr tins.

Designed to protect flat roofing surfaces



FIX-R Classic Traffic 10

FIX-R Classic Traffic 10 is a single component, moisture curing, polyurethane liquid. It can be used in conjunction with Quartz Aggregate (0.4-0.8mm) to create a hard wearing slip resistant coating over many surfaces.

TRAFFIC 10

Traffic 10 is easily applied by brush, roller or airless sprayer and will dry in 6-8 hours.

Recommended for Creating a Hardwearing surface over:

- FIX-R Classic Liquid 10 roofing system, for balconies and walkways
- Asphalt or bitumen roofs*
- Concrete surfaces, even garage floors*
- GRP Roof lights*
- GRC Tiles*
- Concrete Pavers*

*FIX-R Classic Primer 10 required.

Features and Benefits:

- Strong and uniform adhesion on almost any surface
- Highly hydrophobic
- Highly flexible even down to -40°C
- Excellent heat and UV resistance, will not peel, yellow or soften up to +80°C
- Outstanding resistance to chemicals and mechanical stresses
- Can be pigmented

Application Procedure

Surface Preparation & Priming

Clean the surface to be treated with a high pressure washer or a stiff broom and soapy water to remove all oil, grease, wax contaminants, cement laitance and loose particles. Apply FIX-R Classic Primer 10 as directed on the data sheet if required.

Application

Stir product thoroughly with a low speed mixer or manually, ensuring that air is not mixed into the liquid creating bubbles. Surfaces must be completely dry before product application.

As a Non-slip Walkway

Apply a light base coat by brush or roller to the prepared substrate (approximately 0.1ltr/m²) and whilst still wet, broadcast Quartz Aggregate at the desired coverage rate, then allow to dry. Brush off any excess Quartz Aggregate and apply a further light saturation coat to seal. Alternatively Quartz Aggregate can be mixed into the container of Traffic 10 and applied directly to the prepared surface by brush or roller.

If applying over FIX-R Classic Liquid 10 please allow a minimum of 72 hours to ensure full polymerisation has occurred before application. No primer is required for this application.

Liquid 10 can be used to colour Traffic 10 but at no more than a 20% ratio.
Colour pastes are available in a range of colours if required.

Coverage Rates

Subject to substrate porosity and application: 0.1- 0.5ltr/m².

(The coverage rate is approximate and is dependent on quantity of Quartz used.)

Cleaning

Clean tools and equipment initially with paper towels and then with a suitable solvent.

Roller heads will not be re-useable.

Limitations

Not recommended for unsound substrates. If Traffic 10 is used over Liquid 10 only apply after a minimum of 72 hours, to allow full polymerisation. Traffic 10 must not be applied in thick coats.

Packaging

Available in 4ltr tins.

Designed to protect flat roofing surfaces



FIX-R Classic Liquid 10 Thixo

FIX-R Classic Liquid 10 Thixo is a unique additive developed to solve application difficulties of FIX-R Classic Liquid 10 in severely inclined, uneven or completely vertical substrates.

The recommended addition ratio is 10-30% by weight, depending on the surface inclination, substrate condition and desired final consumption.



Features & Benefits:

Liquid 10 Thixo is available in 1kg plastic sausages that allows for easy addition into Liquid 10 without significant loss of product.

Liquid 10 Thixo greatly enhances the thixotropic properties of the Liquid 10 without affecting its final viscosity.

Recommended for:

Increasing the thixotropic nature (reducing the self-levelling characteristics) of Liquid 10.

For example:

- Waterproofing of vertical flashing details on a roof. Usually these points need several coats of Liquid 10 in order to achieve the minimum film thickness. By using Liquid 10 Thixo, the application on these points can be done in 1-2 coats maximum.
- Waterproofing and protection of a roof where the substrate is very uneven and it may be difficult to achieve a uniform thickness of the membrane. By using Liquid 10 Thixo you can modify the rheology of the Liquid 10 so that all areas are covered at a uniform consumption.
- Waterproofing and protection of corrugated metal roofs. Once again this application may prove difficult using self-levelling products as you will have uneven consumption of material. By using Liquid 10 Thixo you can modify the rheology of the Liquid 10 so that all areas are covered at a uniform consumption.

Application Procedure

Open the can of Liquid 10 and mix thoroughly before adding the Liquid 10 Thixo. Open the sausage of Liquid 10 Thixo and empty the desired amount by hand into the pail (left over material can be sealed and stored for later use).

The addition of Liquid 10 Thixo depends on the specific project requirements, but the recommended amount is 10-30% by weight.

Mix the Liquid 10 Thixo gradually into the Liquid 10 using a low speed mixer, being careful not to introduce air into the mixture, until the required thickness is achieved. Apply the thoroughly mixed material to the previously primed substrate as described in the technical data sheet.

Packaging

Available in 1kg sausages.

Designed to protect flat roofing surfaces





Rainwater Outlets

Product Selector

Through The Wall Outlets

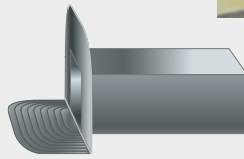
Horizontal Outlets

Designed for application at the angle of two intersecting surfaces – for example, where a roof or balcony meets a parapet wall. They can be installed to provide either vertical or horizontal take-off.



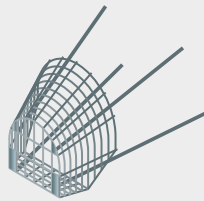
Through the Wall Outlet

100x100mm
90°



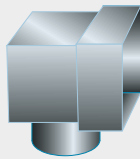
Leaf Guard

for 100x100mm/110mm Ø

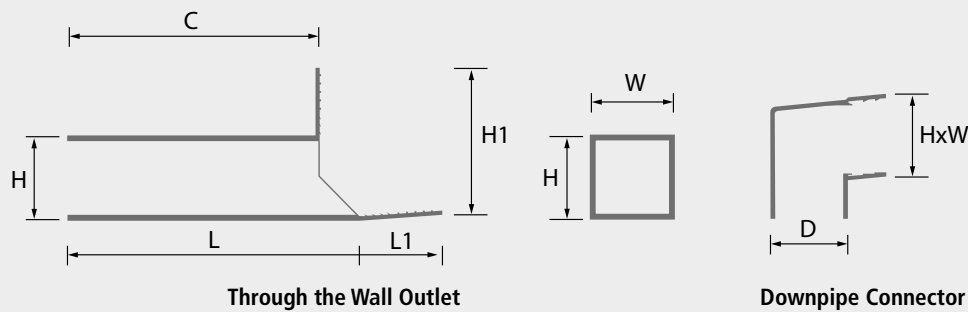


Downpipe Connector

90° connector
100x100mm to 100 Ø



Sizes



	Through the Wall Outlet	Leaf Guard	Downpipe Connector
H	100	100ø	N/A
W	100	100ø	N/A
H1	180	170	N/A
L	425	500	N/A
L1	120	120	N/A
C	425	500	N/A
HxW	N/A	N/A	100x100
D	N/A	N/A	100ø

Outlets, drainage & ventilation for use
with waterproofing membranes



Rainwater Outlets

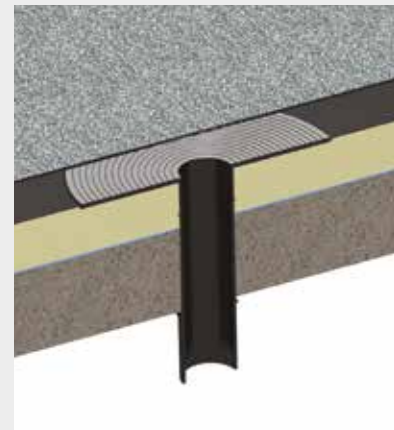
Our flat flange outlets are versatile flat roof drainage outlets formed in EPDM. They are available in five sizes, are extremely cost-effective, and are ideal for use in new build or refurbishment applications.

The ribbed push-in downpipe provides a completely leakproof connection to pipework.

These outlets suit all forms of flat roof, and are also ideal for installation in, for example, wide valley gutters.

They are highly resistant to ultraviolet, ozone and other atmospheric and chemical agents. They are suitable for use within wide temperature ranges, and remain flexible at very low temperatures.

Leaf guards and gravel grates are available.

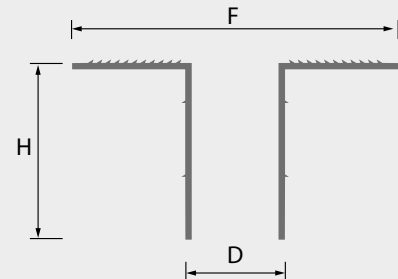
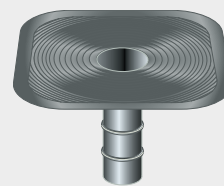


FIX-R EPDM Rainwater Outlets

50mm, 62.5mm, 75mm, 100mm, 110mm

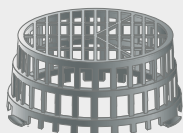
For built up felt and mastic asphalt

	50	62.5	75	100	110
F	245	245	300	325	335
H	180	250	250	250	250
D	50	54	66	92	100



Leaf Guard

Leaf Guard



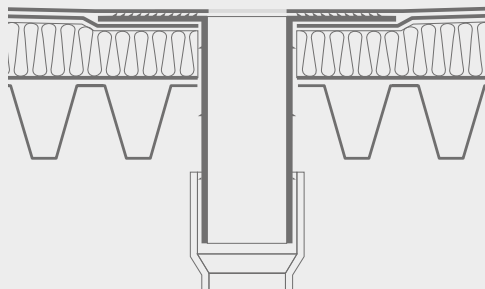
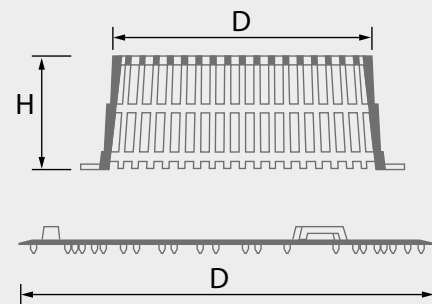
Mounting Ring



Mounting Spigot



	Leaf Guard	Mounting Ring	Mounting Spigot
H	80	N/A	160
D	160	220	195
H1	N/A	N/A	40



Typical application in warm roof

Tel: 01480 466777

Email: info@fix-r.co.uk

www.fix-r.co.uk

Breather Vents

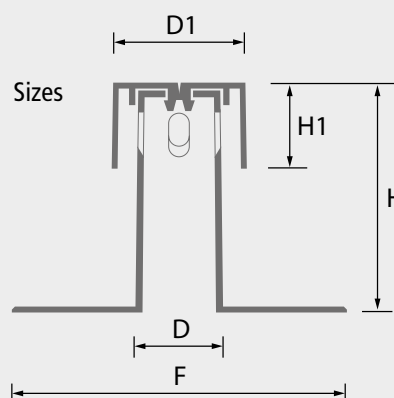
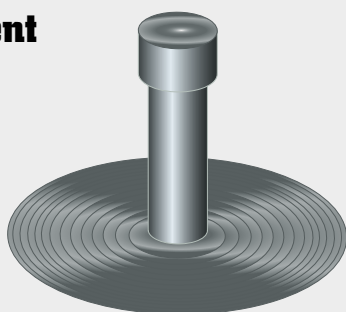
Our EPDM breather vents are designed to allow water vapour to escape from the structure. Vents are normally required when roofing membranes are laid on concrete screeds in which moisture may be retained from the construction process. The vents release vapour pressure, thus avoiding blistering of the membrane.

The roofing membrane is dressed over the circular flange of the breather vent, forming a watertight seal.

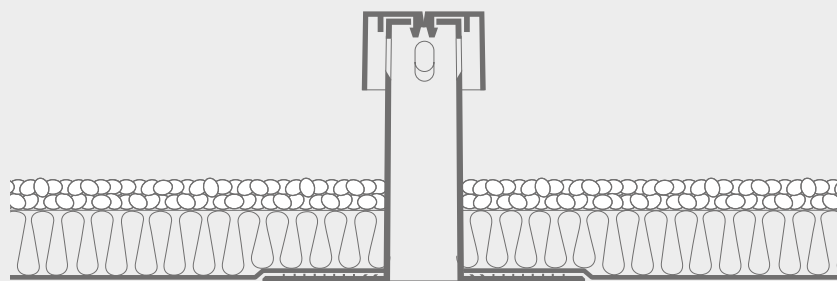


Breather Vent

EPDM 75mm Ø
270mm high
For built up felt and mastic asphalt



Breather Vent in inverted roof

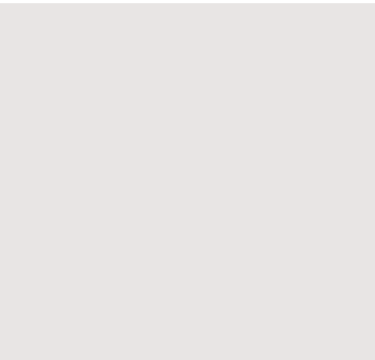
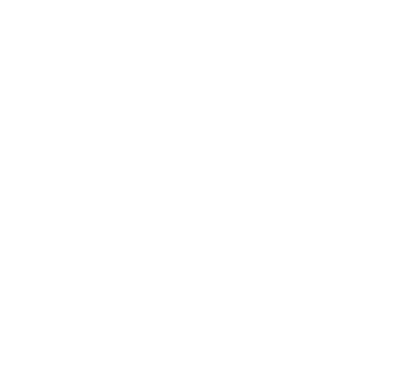


Breather Vent

F	300ø
H	270
D	75
H1	80
D1	110

Outlets, drainage & ventilation for use
with waterproofing membranes





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FIX-R Range V1/05/2017