



# Waterproofing solutions

**HIGH PERFORMANCE PRODUCTS  
FOR ROOF MAINTENANCE & REPAIR**



# INTRODUCTION



## PROFESSIONAL WATERPROOFING PRODUCTS

Bostik has been at the forefront of waterproofing technology for over 40 years, with the company's extensive range of innovative products designed to be both easy to identify and simple to use. With accreditation to BS EN ISO 9001 and ISO 14001, you can be assured that all products in the Bostik waterproofing range are of the very highest quality and meet the required standards in order to successfully complete your building task.

This guide is designed to help you get the most out of the Bostik range, with detailed product information taking you through the step-by-step process of repairing and maintaining a roof. By referring to this handy booklet, you can be sure of great results every time.

If you require further specific advice, please contact Technical Services on +44 (0) 1785 272625.

# CONTENTS

		PRODUCT NAME	PAGE
STOP A LEAK	INSTANT ROOF REPAIR	FLEXACRYL INSTANT REPAIR	4-5
		FLEXACRYL QUICK DRYING	6
REPAIR AN EXISTING ROOF	PREPARE	FUNGICIDAL WASH	7
	PRIME	PENETRATION PRIMER	8
	FILL	BITUMINOUS MASTIC - ALL WEATHER TROWEL	9
	WATER PROOF	SOLVENT FREE WATERPROOFER - BITUPROOF	10
		BITUMINOUS WATERPROOFER - ALL WEATHER BRUSH	11
		BRUSHABLE WATERPROOFER - RUFABRUSH	12
	SOLAR PROTECT	ALUMINIUM SOLAR PROTECTOR - SILVACOTE	13
FIT A NEW ROOF	STICK FELT	BITUMINOUS FELT ADHESIVE - FELTFIX	14
	SEAL GAPS	ALL WEATHER SEALANT	15
	APPLY FLASHING TAPE	FLASHBAND SELF ADHESIVE FLASHING TAPE	16
		FLASHBAND PRIMER	17
		FLASHBAND PRIMER S.V.	
PROTECT METAL	BITUMINOUS BLACK PAINT	18	
DAMP-PROOFING	DAMP-PROOFER & WATERPROOFER - AQUAPRUFÉ	19	
THE BOSTIK GUIDE			20-23



# FLEXACRYL INSTANT REPAIR FOR FLAT ROOFS

Flexacryl Instant Repair is a flexible single coat waterproofing compound that offers immediate waterproofing over most conventional roofing substrates. It contains fibres to bridge gaps.

It is ideal for emergency repairs or general maintenance. It can be applied to wet or dry surfaces and will withstand the rigours of ponding, making it ideal for use in gulleys and over cracks in edge details, vents, upstands and more.

It can be brushed straight from the tin onto substrates such as old roofing felt, asphalt, bituminous roof coatings, cement, concrete, lead work, metal, brickwork, slate and rigid PVC. It is also suitable for application to gutters and flashings.

If using Flexacryl on a roof or balcony subject to heavy foot traffic or placing of objects such as garden furniture then promenade tiles must be used. Highly porous or friable surfaces should be primed with Bostik Penetration Primer.

FLEXACRYL INSTANT REPAIR FOR FLAT ROOFS

Grey				Black			
<b>1kg</b>	30811953	6 per carton	<b>20kg</b>	30811943	<b>1kg</b>	30811960	6 per carton
<b>2.5kg</b>	30811945	6 per carton			<b>2.5kg</b>	30811956	6 per carton
<b>5kg</b>	30811941	4 per carton			<b>5kg</b>	30811957	4 per carton

# STOP A LEAK - INSTANT ROOF REPAIR



- Instantly waterproof
- One coat brush-on
- Apply in wet or dry
- Fills cracks
- Prolongs life of roof felt





# FLEXACRYL QUICK DRYING WATERPROOFER FOR FLAT ROOFS

Flexacryl Quick Drying Waterproofer is a fast drying, low odour roof coating that offers waterproofing over most conventional roof substrates.

Flexacryl Quick Drying Waterproofer can be applied straight from the can onto substrates such as old roofing felt, asphalt, bituminous roof coatings, asbestos cement, concrete, lead work, brickwork, slate and rigid PVC.

Flexacryl Quick Drying Waterproofer is also suitable for application to gutters and flashings.

## FLEXACRYL QUICK DRYING WATERPROOFER FOR FLAT ROOFS

Grey		
5L	30811944	2 per carton



# FUNGICIDAL WASH

Fungicidal Wash is a safe, yet powerful formulation for outdoor use.

Fungicidal Wash will kill moulds, lichen and algae on external surfaces such as brick, masonry, render, patios, paths, driveways and roofs.

Fungicidal Wash can be used on concrete, brickwork, stone, roofing felt and most other building materials. It is not intended for use as a lawn treatment and is for outdoor use only.

## FUNGICIDAL WASH

5L	30806518	4 per carton
----	----------	--------------



# PENETRATION PRIMER FOR ROOFS

Penetration Primer is a highly penetrative, thin bituminous solution used for priming concrete roofs, cementitious screeds, renders, bitumen felt and mastic asphalt prior to the application of bituminous materials, such as Brushable Waterproofer.

Penetration Primer should be well scrubbed in by brush or applied by spray, taking care to ensure the surface is dry and as dust-free as possible.

Drying time is approximately 3-6 hours depending on conditions. Make sure that the product has dried completely before overcoating.

#### PENETRATION PRIMER FOR ROOFS

Black		
1L	30811883	6 per carton
5L	30811886	4 per carton



# BITUMINOUS MASTIC

## ALL WEATHER TROWEL FOR ROOFS

Bituminous Mastic is a multi-purpose, trowel grade material used for waterproofing, bedding, pointing, sealing and stopping.

Bituminous Mastic can be used on mastic asphalt, roofing felt, corrugated iron, fibre cement, slate, lead, copper, concrete and timber.

Bituminous Mastic is normally applied with a steel trowel or putty knife over a clean, dry surface. It dries to a flexible black material which remains soft and pliable for a long time after application.

### BITUMINOUS MASTIC FOR ROOFS

Black		
2.5L	30811915	4 per carton
5L	30811916	4 per carton



# SOLVENT FREE WATERPROOFER BITUPROOF EMULSION FOR ROOFS

Bostik Solvent Free Waterproofer is a non-fibrated, flexible bitumen emulsion of medium brushing consistency for use on all common roof surfaces. It is dark brown in colour but dries to form a black finish.

Surfaces should be cleaned of all dirt, moss and loose materials and primed with Penetration Primer before application. Solvent Free Waterproofer should be brushed on to the surface, usually in two coats. In areas likely to be effected by expansion and contraction it may be reinforced with an open woven glass fibre membrane. Solvent Free Waterproofer should not be used where there is an imminent threat of rain or frost.

Use Penetration Primer where surfaces are porous and use Aluminium Solar Protector reflective paint as a final protective finish.

#### SOLVENT FREE WATERPROOFER FOR ROOFS

Dark Brown - dries Black		
5L	30811685	4 per carton
22.5L	30811686	-



# BITUMINOUS WATERPROOFER

## ALL WEATHER BRUSH FOR ROOFS

Bituminous Waterproofer is a solvent-borne bituminous compound of brushing consistency containing a small percentage of organic fibre.

It can be used as a water and moisture barrier or as a protection for metal. It can be applied onto existing roofs or mastic asphalt, roofing felt, corrugated iron, fibre/cement, slates, lead, copper and zinc. Most applications will require two coats applied at right angles to each other.

Use Penetration Primer where surfaces are porous and use Aluminium Solar Protector reflective paint as a final protective finish.

BITUMINOUS WATERPROOFER FOR ROOFS

Black		
5L	30811918	4 per carton
22.5L	30811920	-



# BRUSHABLE WATERPROOFER RUFABRUSH FOR ROOFS

Brushable Waterproofer for Roofs is a contract grade general purpose waterproofing material for use on all common roofing surfaces, including mastic asphalt, roofing felt, corrugated iron, fibre cement, slates, lead, copper and zinc.

Once the surface has been prepared and is dry, Brushable Waterproofer is applied to provide the final waterproof coating. Once applied, it is resistant to rain and frost during the drying process. However, the actual application should be carried out at temperatures above 5°C. Most jobs will require two coats applied at right angles to each other at an approximate rate of 1.2 – 1.5 m<sup>2</sup> per litre per coat.

Use Penetration Primer for Roofs where surfaces are porous and use Aluminium Solar Protector for Roofs reflective paint as a final protective finish.

#### BRUSHABLE WATERPROOFER FOR ROOFS

Black		
2.5L	30811925	6 per carton
5L	30811924	4 per carton



# ALUMINIUM SOLAR PROTECTOR SILVACOTE FOR ROOFS

Aluminium Solar Protector is a bituminous based aluminium protective coating with light and heat reflective properties for use over bituminous coatings, aged asphalt and primed steel. It is of brushing consistency and dries to a silvery finish. When applied as the final layer of a roof repair over waterproofing compounds it extends the life of the repair.

Aluminium Solar Protector should be applied using either a soft brush or mohair roller to a clean, dry, dust free surface.

Stir thoroughly before application. Aluminium Solar Protector should never be thinned.

#### ALUMINIUM SOLAR PROTECTOR FOR ROOFS

Silver		
<b>5KG</b>	30812224	4 per carton
<b>22.5KG</b>	30812226	-



# BITUMINOUS FELT ADHESIVE

## FELTFIX FOR ROOFS

Bituminous Felt Adhesive is a cold applied, solvent-borne bituminous adhesive for bonding all types of roofing felt. It is suitable for use over asphalt, felt and metal, although it should not be used over tar based products.

Bituminous Felt Adhesive should be applied to a clean, dry, dust free surface using a mop, squeegee or stiff brush. Allow the adhesive to become tacky, then lay the felt onto the adhesive and roll as recommended. Dusty or porous surfaces should first be primed with Penetration Primer.

It is recommended that when laying felt onto timber or wood substrates, the first layer of felt is nailed with galvanised clout head nails. Subsequent layers can be bonded with Bituminous Felt Adhesive. Always tape joints in timbers and concrete before over lapping with felt.

### BITUMINOUS FELT ADHESIVE FOR ROOFS

Black		
2.5L	30811934	4 per carton
5L	30811935	4 per carton



# ALL WEATHER SEALANT

All Weather Sealant is a flexible, low odour sealant that can be used to repair leaks in all weather.

All Weather Sealant can be used to seal most materials including lead, asphalt, glass, wood, metals, stone, plaster, guttering, porcelain and most plastics (cannot be used with polyethylene, polypropylene or PTFE).

All Weather Sealant can also be overpainted with most types of emulsion based paints (excluding alkyd resin based paints) after 24 hours.

## ALL WEATHER SEALANT

White	Clear	Black	Brown
30812797	30812796	30812798	30812795
12 x 290ml per carton			



# FLASHBAND

## SELF ADHESIVE FLASHING TAPE FOR ROOFS

Flashband is a self-adhesive sealing strip which bonds instantly to provide a permanent watertight seal.

Flashband is easily applied using hand pressure only, with no requirement for special equipment for cutting, forming or fixing.

Flashband bonds to most building materials including brick, masonry, slates, concrete roof tiles, wood, metal, concrete, terracotta tiles, roofing felt, glass, rigid plastics and more. Porous surfaces need to be primed with a Flashband primer.

Applications include repairing lead flashing, sealing valley gutters, mending leaks in drain pipes and guttering, and repairing roofing felt joints on flat roofs.

FLASHBAND SELF ADHESIVE FLASHING TAPE FOR ROOFS

Grey • 3.75 metre rolls				Grey • 10 metre rolls			
<b>75mm</b>	30812180	<b>300mm</b>	30812184	<b>50mm</b>	30812185	<b>225mm</b>	30812201
<b>100mm</b>	30812181			<b>75mm</b>	30812193	<b>300mm</b>	30812229
<b>150mm</b>	30812182			<b>100mm</b>	30816347	<b>450mm</b>	30812238
<b>225mm</b>	30812183			<b>150mm</b>	30812199	<b>600mm</b>	30812242

## 4 LAYERS OF PROTECTION

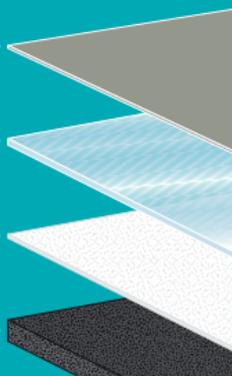
...meaning Flashband is both tear and impact resistant and can withstand extreme temperatures of up to 100°C

Lacquer coating

Heavy duty aluminium foil

Tear resistant polyester membrane

Polymer enhanced bitumen adhesive



## FLASHBAND PRIMER FOR ROOFS

## FLASHBAND PRIMER S.V. FOR ROOFS

Bostik Flashband Primer for Roofs is a specially designed, structured rubber bitumen emulsion for aiding adhesion of Bostik Flashband to rough or porous building surfaces. Bostik Flashband Primer for Roofs may also be used for smooth porous surfaces to improve adhesion.

Bostik Flashband Primer S.V. for Roofs is a solvent borne bitumen solution, for priming/sealing brickwork, cement renderings, roof tiles, concrete, mineralised felt, timber, metal, rainwater pipes, gutters and corrugated sheeting. It is also ideal to use prior to the application of other bitumen products and particularly where there are porous or dusty surfaces.

### FLASHBAND PRIMER FOR ROOFS

Black		
1L	30812256	12 per carton

### FLASHBAND PRIMER S.V. FOR ROOFS

Black		
500ml	30812257	12 per carton
1L	30812258	12 per carton



# BITUMINOUS BLACK PAINT

Bituminous Black Paint is a solvent-borne protective coating for use externally over ferrous and non-ferrous metals, concrete, roofing felt, fibre cement, corrugated iron, asphalt and wood.

Typical applications of Bituminous Black Paint include asphalt and concrete roofs, non-potable water tanks, walls and corrugated iron sheeting.

Surfaces being coated should be thoroughly cleaned and completely dry. Priming will not normally be necessary unless the surface is corroded. Bituminous Black Paint should not be thinned and is applied using either a brush or spray equipment. It dries to form an odourless and taint-free bitumen film.

## BITUMINOUS BLACK PAINT

Black					
2.5L	30812218	4 per carton	22.5L	30812221	-
5L	30812219	4 per carton			

## DAMP-PROOFING



# DAMP-PROOFER & WATERPROOFER AQUAPRUFÉ

Bostik Aquaprufe Damp-Proofing is a flexible, cold applied, odourless, rubber enriched bitumen emulsion for use both internally and externally on floors and walls. It is not suitable for roofs.

Bostik Aquaprufe Damp-Proofing provides a highly efficient sandwich damp-proof membrane for floors. Bostik Aquaprufe Damp-Proofing must be overlaid with a minimum 50mm flooring screed.

It also acts as a waterproofer for walls when plastered or plaster boarded over. Bostik Aquaprufe Damp-Proofing must always be covered as it remains tacky.

### DAMP-PROOFER & WATERPROOFER

Dark Brown - dries Black				
2.5L	30812206	6 per carton	25L	30812208
5L	30812207	4 per carton		

## SURFACE PREPARATION

Before applying any product, the surface to be treated should be cleaned thoroughly. All dust, dirt and rust must be removed and if moss, lichen or fungus is present this should also be removed, after which it is advisable to treat contaminated surfaces with Bostik's Fungicidal Wash. The surface should, if necessary, be primed with Penetration Primer, the area covered to extend about 75mm beyond the area to be waterproofed. Highly porous surfaces will reduce the coverage of the primer, which should be applied by brush or spray to give a thin, even coat. This should then be allowed to dry. If the surface is old and weathered a second coat may be needed. Conventional roof coatings will not seal badly damaged areas so any cracks, holes or joints on the surface of the roof must be filled and sealed with Bituminous Mastic. The mastic should be allowed to cure fully before applying any Bostik roof coating. Bituminous Mastic can be applied by steel trowel or by putty knife and should be forced into any cracks leaving a surplus which can be formed into a ridge 25mm across and 3mm deep along the length of the crack. If treating a corrugated iron or fibre cement sheet roof Bituminous Mastic should be used to bed and seal all fixings. Large holes can be treated by embedding a patch of bituminised glass fibre scrim in Bituminous Mastic. The membrane should overlap the sides of the hole by 50mm all round and, once dry, a second coat should be applied.

## COMPLETE ROOF WATERPROOFING

Once the surface has been prepared and is dry Brushable Waterproofer or Solvent Free Waterproofer can be applied to provide the final waterproof coating. Brushable Waterproofer can be used even when there is a likelihood of rain or frost, becoming water resistant quickly after application. Most jobs will require two coats, with the second coat being applied at right angles to the first. These coats should not be applied too thickly and care should be taken not to allow the coating to collect at the bottom of corrugated gullies as this may result in blistering when it has fully dried. Waterproofing should extend up any adjoining vertical surface to approximately 200mm (8 inches). Always ensure that the roof/wall angle has a continuous coating.

Bituminous Felt Adhesive is specially formulated for bonding roofing felt to asphalt, wood, metal and concrete and comes ready to use from the can. Before beginning any application make sure the surface is structurally sound. Dusty roof surfaces should be primed with Penetration Primer in order to ensure good adhesion of the felt. Once the primer has dried Bituminous Felt Adhesive should be applied by mop, squeegee or stiff brush. After about 15-30 minutes the surface will become tacky and it is at this point that the roofing felt should be laid into position. When laying roofing felt always follow the manufacturer's instructions. Laps should be sealed with Bituminous Felt Adhesive and the felt should

be rolled or brushed to exclude all air and ensure good overall contact. Inspect the roof 24 hours after laying the felt and firmly press home any areas where full adhesion has not taken place, particularly along the laps. 1 litre of Bituminous Felt Adhesive will cover approximately 1.6m<sup>2</sup>.

## BONDING MINERAL CHIPPINGS

Bituminous Felt Adhesive can also be used to bond mineral chippings to roof surfaces. The chippings should be spread evenly over the surface of the roof and lightly rolled in. When using 3mm chippings 1 litre of Bituminous Felt Adhesive will cover approximately 1m<sup>2</sup> of roof.

## SOLAR REFLECTIVE PAINTS

Direct sunlight can have a significant effect on roofing materials. The heat of the day can cause them to expand until evening when, as the roof cools, the coating contracts again. This process, repeated on a daily basis, can create areas of weakness and material breakdown in a roof coating. Because bitumen is black it absorbs heat rather than reflecting it, so it is prone to the effects outlined above. It is for this reason that a solar reflective paint should be used over bitumen. Aluminium Solar Protector is a bitumen based coating which contains aluminium particles in suspension, giving the dry coating a silver finish which is both heat and light reflective. Aluminium Solar Protector can effectively prolong the life of a roof, protecting it from the damage inflicted by the sun's action. Aluminium Solar Protector should be applied as thinly as possible in two coats, using soft bristle brushes and applying only light pressure. The first coat must mask the black colour of the bitumen underneath and the second coat should be applied immediately after the first is dry. Before applying Aluminium Solar Protector over a new bituminous coating allow the following times to elapse:

- Hot applied – 24 hours
- Solvent based – 3 days
- Water based – 14 days

## CLEANING UP

Clean tools with white spirit or paraffin. Remove splashes from the skin with a suitable proprietary hand cleaner and then wash with soap and water. Spilt material should be mopped up immediately with an inert, absorbent material such as sand and disposed of safely.

For specific information about any roofing application please contact Technical Services on +44 (0) 1785 272625.

This leaflet is for general guidance only and may contain inappropriate information under particular conditions of use. For full product details and precautions in use refer to Product and Safety Data Sheets. For specialised technical advice contact Technical Services.

# THE BOSTIK GUIDE

		PRODUCT NAME	DESCRIPTION
STOP A LEAK	INSTANT ROOF REPAIR	FLEXACRYL INSTANT REPAIR	Single coat waterproofing compound
		FLEXACRYL QUICK DRYING	Single coat waterproofing compound
REPAIR AN EXISTING ROOF	PREPARE	FUNGICIDAL WASH	External surface biocide for moulds, lichen and algae
	PRIME	PENETRATION PRIMER	General surface bitumen primer
	FILL	BITUMINOUS MASTIC - ALL WEATHER TROWEL	Bitumen trowel mastic
	WATER PROOF	SOLVENT FREE WATERPROOFER - BITUPROOF	Water based waterproof coating
		BITUMINOUS WATERPROOFER - ALL WEATHER BRUSH	High performance waterproof coating for roofs
		BRUSHABLE WATERPROOFER - RUFABRUSH	General purpose waterproofing compound
	SOLAR PROTECT	ALUMINIUM SOLAR PROTECTOR - SILVACOTE	Aluminium solar reflective paint
FIT A NEW ROOF	STICK FELT	BITUMINOUS FELT ADHESIVE - FELTFIX	Roofing felt adhesive
	SEAL GAPS	ALL WEATHER SEALANT	Flexible sealant for repairing leaks in all weather
	APPLY FLASHING TAPE	FLASHBAND SELF ADHESIVE FLASHING TAPE	Instant bond self adhesive sealing strip
PROTECT METAL	BITUMINOUS BLACK PAINT	General purpose protective paint	
DAMP-PROOFING	DAMP-PROOFER & WATERPROOFER - AQUAPRUFE	Rubber / bitumen emulsion for walls and floors	



Brush



Long brush



Roller



Spray



Pallet knife

# THE BOSTIK GUIDE

SIZES AND COLOURS	APPLY BY	COVERAGE PER COAT PER LITRE (m <sup>2</sup> ) APPROX	APPLICATION TEMPERATURE LIMITS (°C)
Grey - 1KG, 2.5KG, 5KG, 20KG Black - 1KG, 2.5KG, 5KG	 	0.5 - 1.0	5-35
5L	 	1 - 2	10-35
5L		4 - 9	5-35
1L, 5L	  	4 - 6	5-35
2.5L, 5L	 	0.3 - 0.35	5-35
5L, 22.5L	  	1.2 - 1.6	5-35
5L, 22.5L	 	1.2 - 1.6	5-35
2.5L, 5L	 	1.2 - 1.5	5-35
5KG, 22.5KG	  	4 - 6	5-35
2.5L, 5L	  	1.6 as a felt adhesive 1.3 - 1.6 as a gritting adhesive	10-25
290ml - White, Clear, Black, Brown		10 linear metres per cartridge	5-35
3.75m & 10m - 75, 100, 150, 225, 300mm 10m - 50, 450, 600mm		-	5-30
2.5L, 5L, 22.5L	  	4 - 6	5-35
2.5L, 5L, 25L	  	Subject to application	5-35

 Squeegee
  Trowel
  Solvent free
  Edge roller
  Cartridge gun



**Smart help:  
+44 (0) 1785 272625**

For any application not covered please contact  
Technical Services on +44 (0) 1785 272625  
or visit [www.bostik.co.uk](http://www.bostik.co.uk) for advice.

REFER TO PRODUCT DATA AND SAFETY DATA SHEETS  
FOR FULL INSTRUCTIONS AND PRECAUTIONS IN USE.

Recommendations and suggestions are for guidance only,  
since conditions of use are completely beyond our control.

Bostik Ltd.,  
Common Road,  
Stafford,  
ST16 3EH, U.K.  
Tel: +44 (0) 1785 272625  
**[www.bostik.co.uk](http://www.bostik.co.uk)**

Bostik Industries Ltd.,  
Newtown, Swords,  
Co. Dublin, Ireland  
Tel: +353 1 8624900  
**[www.bostik.ie](http://www.bostik.ie)**