



ROOFING

PRODUCT APPLICATION  
GUIDELINES



## ROOF FLEX BITUMEN PRODUCTS

### PREPARATION (APPLIES TO ALL PRODUCTS)

Ensure that all surfaces are clean, dry and free from oil, grease dirt and organic growth. All traces of organic growth should be removed using a stiff bristle brush or low pressure water jet. The surface should then be treated with a proprietary fungicidal wash. Any metal surfaces showing advanced signs of corrosion should be treated with a rust inhibitor such as red oxide. Any remedial work to the substrate should be completed prior to the application of surface coatings.

### BITUMEN PRIMER

For use on porous surfaces before remedial roof treatments, including pour and roll and torch on felt applications. Can be used on metal, concrete, asbestos cement, slate, lightweight concrete shreds, roofing felt and asphalt. Apply by brush or spray in one even coat. Bitumen Primer may be applied to slightly damp surfaces but do not apply in wet weather, when rain is threatened or when poor drying conditions exist. Bitumen Primer is resistant to water within 20-30 minutes. It is essential after priming concrete or screeded surfaces the coating is completely free of solvent and therefore a safe drying time of two hours should be allowed. Coverage is approximately 6-8m<sup>2</sup> per litre depending on the porosity of the surface.

### BLACK BITUMEN PAINT

For waterproofing and weather protecting steelwork, concrete, metal and corrugated iron. Suitable for fire escapes, stairways, ladders, storage tanks, gutters and downpipes, railings and gates, and the protection of concrete structures, stone, brick and sand/cement. Porous surfaces should be thoroughly clean, dry and primed with Bitumen Primer or Black Bitumen Paint diluted with 20% white spirit. On bare metal a rust inhibiting product such as red oxide or zinc phosphate should be applied and allowed to harden. On surfaces previously covered with a bituminous compound, any dirt, grease and loosely adhering material must be removed by brushing or washing. Apply a minimum of two coats of Black Bitumen Paint, allowing the first coat to dry before applying the second. The product may bleed through any paints subsequently applied over it. Apply a primer recommended by the paint manufacturer before overpainting. The product should be applied between -10°C and +30°C. Coverage on metal and other smooth surfaces is approximately 10m<sup>2</sup> per litre, or less for porous surfaces.

### ROOFING FELT ADHESIVE

A solvent based cold applied bituminous adhesive for bonding successive layers of roofing felt. Porous surfaces should be treated with a coating of Bitumen Primer and allowed to dry thoroughly. Allow adhesive to develop a tacky surface before overlaying with felt (approximately 15 minutes to one hour dependent on weather conditions). NB—if the felt is applied too soon, the drying time of the adhesive will be extended. The felt should be rolled immediately after laying to expel any trapped air. When felting upstands, adhesive should be applied to both substrate and felt. Timber roofs should have the first layer of felt nailed down with subsequent layers bonded with Roofing Felt Adhesive as described. Roofing Felt Adhesive can be used to bond overlaps on single layer felt installations that are nailed to timber substrates. The lap area should be completely coated and pressed firmly together to expel trapped air. The lap should then be nailed with galvanised clout head nails to ensure a secure bond. Coverage is approximately 1 litre per 0.25m<sup>2</sup> to 1 litre 2m<sup>2</sup> dependent on porosity of the surface. Laps only—1 litre per 25 linear metres of 75mm overlap. Drying times will vary and are dependent on weather conditions and thickness of application. After use, replace lid firmly and shake to ensure airtight seal. Shelf life is indefinite if container is kept sealed and stored in dry conditions at temperatures between 8°C and 25°C.

### SOLAR REFLECTIVE PAINT

A solvent based bituminous paint containing aluminium flakes to provide a solar reflective finish for bituminous roof surfaces, steel and corrugated iron. Application must be in 2 coats, the second coat being applied 24 hours after the first. Freshly applied coatings should be allowed to weather for three to four weeks prior to the application of the Solar Reflective Paint. Stir the container thoroughly before use ensuring that no deposits remain at the bottom of the tin and that a silver sheen is visible on the surface of the paint. Apply using a brush, roller or spray. Do not brush excessively as this may cause softening of the substrate and staining. Do not apply in wet weather, when rain is threatened or when poor drying conditions exist. Coverage is approximately 5 - 10m<sup>2</sup> per litre dependent on the condition of the surface. Store in a tightly sealed container in a cool, dry place away from all sources of ignition. Storage life is approximately 12-18 months. Solar reflective paint could cause gassing if moisture enters the tin. Do not apply in temperatures below 5°C.

### ALL WEATHER ROOFING COMPOUND

A bituminous solution for overall waterproofing of roofs which can be applied to dry surfaces all year round. For waterproofing most types of surfaces including: galvanised steel, iron, zinc, asbestos cement, asphalt and bituminous roof coatings. Moderate surface cracking to felt and asphalt may be filled with Trowel Mastic. Badly cracked surfaces should be covered with a layer of roofing felt bedded in Roofing Felt Adhesive. Stir well before use and apply using a brush. Apply two coats at a rate of 1-1.5m<sup>2</sup> per litre. Allow the first coat to dry before applying the second. Do not apply in wet weather or when drying conditions are poor. On overlaps of roofing sheet materials and slates subject to flexing, a glass membrane treatment bridging overlaps is recommended. The membrane should be bedded into the first coat of All Weather Roofing Compound while still wet.

### TROWEL MASTIC

A heavily bodied, bituminous mastic that is used for filling joints, cracks and splits in roofing and building materials including roofing felt, asphalt, concrete, asbestos cement, metallic guttering and drainpipes. It is resistant to water penetration immediately after application and is ideally suited for maintenance and remedial work. It is necessary to check bolt heads on roof sheets and should it be required, remove any rust using a wire brush prior to sealing with Trowel Mastic. Porous surfaces should be primed with Bitumen Primer in order to seal the surface and allowed to dry thoroughly.



## ROOF FLEX FLEXPOL

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### DESCRIPTION

Roof Flex Flexypol is a solvent based acrylic coating, incorporating synthetic fibres, and is designed specifically for the long term maintenance of domestic and industrial roofs. The product provides a tough yet flexible seamless coating with excellent crack bridging properties.

### USES

Roof Flex Flexypol provides an effective all weather treatment for the remedial repair of leaking roofs. It can be applied in damp weather conditions where it will resist water wash-off and cure to produce a water impermeable membrane. It has excellent adhesion to a wide range of building materials, including asphalt, bitumen, concrete, brickwork, slate, metal and plastic guttering etc. Do not use on styrofoam or pvc foil, or in areas where subsequent solvent or oil contact is likely.

### DIRECTIONS FOR USE

Surface Preparation: The surface to be treated should be free from loose dirt, oil and grease contamination, stone chippings, lichen, moss and standing water. Although Roof Flex Flexypol can be applied to damp surfaces, dry surfaces will ensure optimum adhesion. Fungal growth should be removed and the area treated with Fungicidal Wash. Metal surfaces should be wire brushed to remove loose scale or dust. Stick down any loose felt and use mastic to fill any holes. For most applications Roof Flex Flexypol can be applied direct to the substrate without priming. However with very porous surfaces such as concrete or asbestos sheeting, adhesion can be improved by first applying a coat of a Roof Flex Bitumen Primer.

### APPLICATION

Roof Flex Flexypol is applied to the prepared substrate by brush or roller at the recommended rate of 1-2kg/m<sup>2</sup>, ensuring an even coverage free from pinholes. The product will fill and bridge cracks up to 10 mm wide, but where wider cracks are present these should be covered with a suitable flexible scrim bedded into the coating. On damp substrates Roof Flex Flexypol should first be worked into the surface with a brush or roller to disperse excess moisture and ensure a good bond. Immediately afterwards, further product is then brushed onto the surface.

### CLEANING

After use clean all equipment immediately with White Spirit.

### STORAGE

Roof Flex Flexypol should be stored in a cool, dry place away from sources of ignition or naked flames. Shelf life is a minimum of 12 months in unopened, sealed containers.

### SAFE HANDLING

Roof Flex Flexypol is a solvent based product and therefore care should be taken to avoid contact with skin and eyes. Ensure adequate ventilation and do not smoke when using the product. For further information please refer to the Health & Safety Data Sheet.

### DISPOSAL

Do not empty into drains. Remove excess product from tools before cleaning. Some local authorities have special facilities for the disposal of waste liquids.

## ROOF FLEX LAP MASTIC

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**ROOF FLEX Lap Mastic** is high performance, weatherproof mastic for sealing joints and end laps. It does not harden with time, retaining its flexibility.

### Surface Preparation

Surfaces must be clean, dry and free from dust, dirt and other contamination. A primer is only required when sealing to very porous or powdery surfaces.

### Application

The mastic is applied using a standard cartridge gun. Cut cartridge nozzle at an angle to give a diameter of approximately 5mm. Extrude the mastic across the felt surface in a snaking line using firm, even hand pressure. Using a flat bladed spreader, coating the mastic beads to form a smooth even spread across the required area. Wear suitable protective gloves and eye/face protection.

### Cleaning

Tools can be cleaned with white spirit or paraffin.

### Storage

Containers should be kept sealed in a cool, dry, well ventilated environment and all practical precautions taken against fire.



## ROOF FLEX QUICK GRAB ADHESIVE

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**ROOF FLEX Quick Grab Adhesive** is a fast setting SBR adhesive for permanent bonding of most common building materials, exhibiting good initial grab and excellent adhesive qualities. Full bond strength is achieved within 48hrs. Allows assembly without the need for screws or nails and also displays excellent gap filling qualities.

### Areas of use

Bonding and fixing timber battens, skirting boards, dado rails, wall cladding, aluminium and PVCu extrusions, stairs and floorboards. Used in the assembly of fitted furniture, window frames and carpet grippers. **ROOF FLEX Quick Grab Adhesive** will bond many materials such as brick, concrete, wood, breeze block, hardboard, plasterboard, cork, most insulation materials, many plastics, metals and ceramics.

### Application

Surfaces to be bonded must be of sound condition, dry and free of dust, dirt, grease and other contamination. Cut the cartridge end and apply nozzle, cut to the desired opening. Apply adhesive as a 6mm diameter 'zig zag' bead along the length of one of the surfaces to be bonded. Bring both surfaces together and apply firm, even pressure. For heavier or warped components, break the bond to ensure transfer of adhesive onto both surfaces and allow to dry for 1-2 minutes before repositioning. Heavy components may require mechanical support until the adhesive sets.

### Storage

The product can be stored for at least 12 months in a cool dry environment, in its original unopened container, at a temperature between +5°C and +30°C.

## ROOF FLEX SELF ADHESIVE FLASHING TAPE

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**ROOF FLEX Self Adhesive Flashing Tape** is a waterproof bituminous flashing tape which bonds securely to brick, concrete, wood, roof tiles, slate, roofing felt, glass and rigid plastics

### Preparation

- Surfaces must be sound, clean, dry and free from dust.
- To improve adhesion on porous, uneven surfaces and in cold or damp weather conditions, the use of a suitable bituminous flashing tape primer is recommended.
- Lightly dampen porous surfaces with clean water before applying. Non porous surfaces should be dry.
- Fill any deep hollows, depressions or cracks wider than 3mm.
- During cold weather Roof Trade Flashing Tape will be easier to apply if stored in a warm place prior to use and if the surface to which it is to be applied is warmed. Do not apply to surfaces below 5°C.

### Application

- Cut the Flashing Tape to the required length.
- Remove the backing paper and lightly press into place.
- Overlap by at least 25mm.
- Use a wallpaper roller or similar to ensure a good even contact is made with the surface and to smooth the tape.
- Roof Trade Flashing Tape can be overpainted with exterior grade paints, although slight staining may occur at the edges.
- These recommendations are for guidance only as actual conditions of use may vary and are beyond our control

### Storage

Store in a cool dry place.

### Caution

Roof Flex Flashing Tape may become brittle if encased in cement based materials. Avoid contact between the foil face and acidic or alkaline materials. Roof Trade Flashing Tape is a bituminous product and is not compatible with silicone sealants.