



ALL WEATHER ROOFING COMPOUND

Bitumen Waterproofing Compound

Technical Data Sheet



BITUBOND BITUMEN SOLUTIONS & COMPOUNDS RANGE

Description:

A solvent-borne, cold applied, bituminous compound of a high build consistency containing a small percentage of fibrous filler. Dries to a tough, waterproof, black coating.

Features & Benefits:

- ◆ Cold applied.
- ◆ Flexible - will not crack.
- ◆ Fibre reinforced.
- ◆ Instantly waterproof.
- ◆ Resistant to extreme temperatures.
- ◆ Fast drying
- ◆ High water and rain resistance
- ◆ For exterior use.
- ◆ Can be applied when rain is imminent.
- ◆ Can be used as a vapour barrier on walls and roofs.

Uses

As a heavy brush coating for roof waterproofing and the resealing of existing roofs of mastic asphalt, roofing felt, asbestos-cement sheeting, corrugated iron, concrete roof decks, fibre/cement, tiles, slates, lead, copper and zinc. Recommended where the threat of frost or rain precludes the use of an emulsion.

Limitations

- Do not use in areas where subsequent solvent contact is likely.
- Do not use for potable drinking water tanks or silage pits.
- Allow sufficient drying time between coats.
- Bitumen may bleed through any paints subsequently applied over it. Apply a primer recommended by the paint manufacturer before overpainting.

Preparation

All surfaces must be structurally sound, clean, dry and free from surface contaminants such as grease, rust and dirt. If necessary, remove any organic growth i.e. lichen, with a fungicidal wash such as Bond It MOULD STOP. If the surface is still dusty after cleaning, or covered with weathered bitumen, prime with BITUMEN PRIMER and allow to dry.



Application

STIR WELL BEFORE USE. Apply ALL WEATHER ROOFING COMPOUND by brush or broom, with each coat at right angles to the previous one, at a maximum rate of 0.75 litres per m². Allow each coat to dry thoroughly. Where necessary reinforce with either

an open woven glass fibre membrane or an open mesh polyester membrane.

Note: this material should only be applied to surfaces that are completely dry and great care should be taken to ensure that when applied to bitumen felt, no moisture is contained within the felt.

In order to prolong the effective life of the dried coating, it is recommended that it can be overcoated with Bond It SOLAR REFLECTIVE PAINT but leave for at least 10 days before applying the reflective coating.



Asphalt Roofs:

On asphalt roofs where blisters have occurred, these should be heated with a blow lamp until soft and then smoothed out. If the asphalt is crumbling or badly cracked, it must be removed and replaced with a polyester based underlay. ALL WEATHER ROOFING COMPOUND should be applied by brush in two coats, the first being allowed to dry before the second is applied.

Built-up Felt Roofs:

Remove any loose chippings and carry out the preparatory work detailed above. Minor marks and defects will be effectively filled and covered by ALL WEATHER ROOFING COMPOUND but where these are wider than 0.75mm they should first be filled with TROWEL MASTIC and allowed to dry. Blisters in roofing felt should be opened out, cleaned with a stiff bristled brush and coated with ALL WEATHER ROOFING COMPOUND at 1.5m² per litre. The compound should be allowed to set until it becomes tacky and then the felt should be re-fixed by bonding it down. In each of the above cases the ALL WEATHER ROOFING COMPOUND and a glass membrane should then be applied.

Reinforced Concrete:

If the deck is new it should be first allowed to cure and then primed using BITUMEN PRIMER at 6-8m² per litre (rate depending upon porosity).

Lightweight Concrete:

Allow the concrete roof deck and topping screed to cure. A glass fibre felt underlay should be partially bonded to the surface using Bond It FELT ADHESIVE or a cold gritting solution. The felt should

be lapped, sealed and adequate ventilation provided for the materials beneath it. ALL WEATHER ROOFING COMPOUND and a glass membrane should then be applied.

Asbestos-Cement Sheeting:

It is particularly important that the asbestos cement is not saturated with water before protective coating commences. Wait until the asbestos cement sheeting is dry and then apply one coat of Bond It BITUMEN PRIMER. Allow the primer to dry and apply two coats of ALL WEATHER ROOFING COMPOUND. Ensure that complete contact is achieved, and no air is trapped beneath the material.

Metal Surfaces:

ALL WEATHER ROOFING COMPOUND should be applied in two coats at the rate of 1.5m² per litre per coat.

Slates and Tiles:

Carry out preparatory work. The roof should be examined for damaged or loose slates or tiles. Any loose tiles or slates should be re-fixed firmly in place. ALL WEATHER ROOFING COMPOUND and a glass membrane should then be applied.

Scrim Treatment:

In order to bridge gaps, cracks and fissures and in all cases where roof surfaces are in advanced states of decay, it is recommended that ALL WEATHER ROOFING COMPOUND be used in conjunction with a reinforcing membrane, either rotproof hessian or preferably, glass membrane. Apply a first coat at 1m² per litre. Immediately apply the glass membrane into the wet ALL WEATHER ROOFING COMPOUND film using a brush charged with All-Weather. Ensure that complete contact is achieved and that no air is trapped beneath the material.

The glass membrane should be lapped by 50 to 75 mm and the inside of each lap should be painted with the ALL WEATHER ROOFING COMPOUND. Small gaps and differences in levels should be bridged ensuring that the glass membrane is not pulled too tightly across the gap so that any movements in the structure will be accommodated.

At walls and parapets, continue the glass membrane and ALL WEATHER ROOFING COMPOUND sandwich vertically for at least 150mm and secure using self-adhesive flashing (150mm width) allowing 75mm to be in contact with the brickwork above. Apply a second coat of Compound and allow this to dry.

Drying Time

Approximately 24 hours under average conditions. Allow 24 hours between coats.

Cleaning Of Tools

Clean with paraffin (kerosene) or Bond It WHITE SPIRIT.

Size

2.5, 5 and 25L metal tins.

Coverage

Should be applied in two coats at 1-1.5m² per litre, depending on surface porosity.

Colour

Black solution.

Shelf Life

Minimum of 5 years from date of manufacture under good storage conditions in original, unopened containers.

Storage Conditions

Store under cover away from sources of heat and ignition. Keep containers sealed when not in use. Store between +5°C and +25°C. Protect from frost.

Disposal Of Containers

Do not leave empty containers where residue could be harmful to children, animals or the environment. Remove any tins or used material to a central disposal point in accordance with local regulations.

Health & Safety

Please refer to separate Safety Data Sheet (SDS) for full handling, use and storage instructions. Keep out of reach of children. It is the user's responsibility to determine suitability for use. If in doubt, contact our Technical Department for advice.

Note: this information is for general guidance only, since site conditions and labour are beyond our control.

Specification Summary

Type of Solvent	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics
Approximate Flashpoint	+39°C
Test Method BS2000:Part 170:1982 [IP170/75 (81)]	
Service Temperature Limits	-10°C to +85°C depending on operating conditions
Application Temperature Limits	Normally +5°C to +30°C
Chemical Resistance	Resistant to: most salt solutions, some dilute acids and alkalis, water and alcohol Not resistant to: oils, solvents, some detergent solutions
Fire Resistance	WET: Flammable / DRY: Will burn
Heat Flow Resistance	The cured film will not sag or flow under normal conditions
Density	1.072g/cm ³
VOC Value	270g/L
Commodity Code	2715000000

Product / Order Details

Code	Colour	Size	Barcode	UFI
BDB026	Black	2.5L	5060021360953	F750-60SQ-J004-EWC9
BDB027	Black	5L	5060021360960	F750-60SQ-J004-EWC9
BDB028	Black	25L	5060021360977	F750-60SQ-J004-EWC9



Part of the Bond It Bitubond Range

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Note: The data presented in this leaflet is in accordance with the present state of our knowledge, but does not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties rights and, if necessary clarifying the position. Recommendations for use do not constitute a warranty, either expressed or implied, of the fitness or suitability of the products for a particular purpose.



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