

Technical Data Sheet

ALL WEATHER ROOFING COMPOUND



Description:

A filled bituminous solution for overall waterproofing of roofs. All Weather Roofing Compound can be applied onto dry surfaces all year round.

Product Uses:

All Weather Roofing Compound is an effective, general purpose roof coating. It is resistant to wash off by rain almost immediately after its application and is therefore ideally suited for winter use.

All Weather Roofing Compound may be applied by brush or by spray to waterproof and re-seal many different types of roof coverings, including:

- Asphalt roofs
- Built-up felt roofs
- Concrete roof decks
- Asbestos-Cement sheeting
- Metal sheeting, including iron, steel, zinc and lead
- Slates, tiles

All Weather Roofing Compound may be used in conjunction with a rot-proof hessian reinforcement scrim or a bitumen coated glass fibre scrim.

All Weather Roofing Compound may also be used as a vapour barrier.

Note: All Weather is unsuitable for use in silage pits.

Surface Preparation:

Note: These instructions follow the recommendations of the National Federation of Roofing Contractors Code of Practice governing the use of Liquid Coatings for Roof Waterproofing - September 1980.

No roof coating product can be expected to repair an existing roof which is not structurally sound and stable. Before using a surface coating the roof structure should be inspected and, if necessary, put in order. All cracked, broken, slipped or missing slates, tiles, sheets or other forms of covering should be replaced or re-fixed and cracks in felt or asphalt filled. (Safety Recommendation: do not coat roof lights, windows, glass or translucent sheets. These will constitute a hidden hazard if disguised).

Preparation of the surface is of great importance and will influence the degree of adhesion and life of the renovation. All roofs surfaces to be coated should be sound, stable, clean i.e. free from loose debris, dirt, dust and grease. All traces of algae and fungi have been present, remove them completely and treat the surface with a fungicidal preparation in order to kill any remaining spores, thereby discouraging the return of the growths.

Application:

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 the All Weather Roofing Compound but where these are wider than 0.75mm they should first be filled with Bituminous Trowel Mastic and the mastic 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 1.50m² per litre. The All Weather Roofing Compound should be allowed to set until it is 'tacky' and then the felt should be re-fixed by bonding it down.

In each case the All Weather Roofing Compound and a glass membrane should then be applied.

Reinforced Concrete: Carry out preparatory work. If the deck is a new one it should be first allowed to cure and then primed using Bitumen Primer at 6-8m² per litre (rate depending upon porosity).

Lightweight Concrete: Carry out preparatory work. Allow the concrete roof deck and topping screed to cure. A glass fibre felt underlay should be partially bonded to the surface using Roofing Felt Adhesive and Cold Gritting Adhesive. The felt should be lapped, sealed and adequate ventilation provided for the materials beneath it. All Weather Roofing Compound and glass membrane should then be applied.

Asbestos - Cement Sheeting: Carry out preparatory work. It is particularly important to ensure 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 Bitumen Primer. Allow the primer to dry and then apply two coats of All Weather Roofing Compound. Ensure that complete contact is achieved and that no air is trapped beneath the All Weather Roofing Compound.

Metal Surfaces: Where these show signs of corrosion such as loose rust this should be removed by abrading with a metal-bristled brush. A rust inhibitive treatment should be applied to ensure that the rust will not return. For normal circumstances, abrading with a brush is usually sufficient preparation. All Weather Roofing Compound should be applied in 2 coats at 1.5m² per litre per coat.

Slates & Tiles: Carry out preparatory work. The roof should be examined for damaged or loose slates or tiles. Any loose slates or sheets should be re-fixed firmly in place. All Weather Roofing Compound and glass membrane should then be applied.

Scrim Treatments: 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 rot-proof hessian or, preferably glass membrane.

Having ensured that the surface is clean and receptive to the coating product, apply a first coat at one square metre 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 All Weather Roofing Compound.

The glass membrane should be lapped by 50 to 75mm and the inside of each lap should be painted with 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 All Weather Roofing Compound and allow this to dry.

Final Surface: It is beneficial to the coating and to the rest of the roof structure to give a final solar reflective finish. An exposed black bituminous surface should be avoided on a pitched or flat roof. When using All Weather a third and final coat should be preferably applied at 1.5m² per litre and, while the film is still 'tacky' well blinded within 1 to 2mm (7 to 14 mesh) stone chippings or clean sharp sand. Alternatively onto the final All Weather coating which should be allowed to weather for a minimum of 2 weeks, preferably one month, a solar reflective coating can be provided using Aluminium Paint.

Vapour Barrier: When insulating material is placed on a flat roof deck it is essential to prevent condensation water vapour from entering the insulation. If this is allowed to happen it can damage the insulation. Two coats of All Weather Roofing Compound, the first applied at 1m² per litre, the second at 1.5m² per litre, will help prevent this. The All Weather Roofing Compound should be applied to the 'warm side', care being taken to avoid pin holes and imperfections in the coating. After the All Weather Roofing Compound has dried the insulation may be applied over it.

Coverage:

All Weather Roof Compound should normally be applied in two coats at 1.0 - 1.5m² per litre per coat, depending upon the porosity of the surface.

Storage Life:

Minimum 12 months in undamaged, tightly sealed containers. Containers must be kept sealed and stored away from sources of heat and ignition.

Cleaning of Tools:

Tools may be cleaned with paraffin or white spirit.

Packaging:

5L and 25L Containers.

Health & Safety:

Please refer to health and safety data sheet on Roof Felt Adhesive.

Product of: Cromar Building Products

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