

GEOCHEM



PROFESSIONAL
BUILDING
CHEMICAL
RANGE

ALL WEATHER ROOFING COMPOUND

Geochem All Weather Roofing Compound is a solvent based, cold applied bituminous compound containing a small amount of organic fibre to add strength and stability. An effective, general purpose roof coating that is resistant to water almost immediately after application, therefore ideally suited for winter use.

Geochem All Weather Roofing Compound may be used to reseal, waterproof and repair 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, and slates and tiles.

Geochem All Weather Roofing Compound may be used in conjunction with a rot-proof hessian reinforcement scrim or a bituminised glass fibre scrim. It may also be used as a vapour barrier.

Geochem All Weather Roofing Compound:

- General purpose bituminous roof coating that is resistant to water almost immediately after application
- Contains a small amount of organic fibre to add strength, stability and assist with minor crack bridging.



TECHNICAL DATA

Form	Black brushable liquid
Storage Life	12 Months unopened stored between 5°C and 25°C in original containers
Density	0.97
Flash Point	40°C
Application Thickness	200-400 micron in 2-3 coats
Application Temperature	+5°C to 30°C
Service Temperature	-10°C to +75°C

Specification writers: These values are not intended for use in preparing specifications. Please contact your local **Geocel® Sales Representative** prior to writing specifications on this product.

SURFACE PREPARATION

No roof compounding product can be expected to repair an existing roof which is not structurally sound and stable. Before using **Geochem All Weather Roofing Compound** 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 the felt or asphalt filled with **Geochem Bitumen Mastic**.

Care needs to be taken over preparation of surfaces before application and will influence the degree of adhesion and life of the renovation.

All surfaces must be free from oil, dirt, dust and loose debris. All traces of algae and fungus growth should be removed using a stiff brush and the surfaces treated with **Geochem Mould & Mildew Cleaner**. **Geochem General Purpose Bitumen Primer** should be used to seal porous surfaces and joints.

APPLICATION

Geochem All Weather Roofing Compound can be applied by brush or spray.

Ensure good ventilation during application and drying of the coating. Drying time will depend upon weather conditions and thickness of the 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. **Geochem 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

Geochem All Weather Roofing Compound but where these are wider than 0.75mm they should first be filled with **Geochem Bitumen Mastic** and allowed to dry.

Blisters in roofing felt should be opened out, cleaned with a stiff bristled brush and coated with **Geochem All Weather Roofing Compound** at 1.5m² per litre. **Geochem All Weather Roofing Compound** should be allowed to set until it tacky and then the felt should be re-fixed by bonding it down, with **Geochem Felt Adhesive**.

In each of the above cases **Geochem All Weather Roofing Compound** and a glass membrane should then be applied.

Reinforced Concrete

Carry out preparatory work. If the deck is new it should be first allowed to cure and then primed using Universal 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 Geochem Felt Adhesive. The felt should be lapped, sealed and adequate ventilation provided for the materials beneath it. **Geochem All Weather Roofing Compound** and a glass membrane should then be applied.

Asbestos-Cement Sheeting

Carry out preparatory work. 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 **Geochem Bitumen Primer**. Allow the primer to dry and apply two coats of **Geochem All Weather Roofing Compound**. Ensure that complete contact is achieved and no air is trapped beneath the **Geochem All Weather Roofing Compound**.

Metal Surfaces

Where these show sign of corrosion such as loose rust this should be removed by using a wire bristled brush. A rust inhibitive treatment should be applied to ensure that the rust will not return. For normal circumstances, scrubbing with a wire brush is sufficient preparation. **Geochem All Weather Roofing Compound** should then 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. **Geochem 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 **Geochem 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 1m² per litre. Immediately apply the glass membrane into the wet **Geochem All Weather Roofing Compound** film using a brush charged with **Geochem All Weather Roofing Compound**. Ensure that complete contact is achieved and that no air is trapped beneath the **Geochem All Weather Roofing Compound**.

The glass membrane should be lapped by 50 to 75 mm and the inside of each lap should be painted with the **Geochem 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 **Geochem All Weather Roofing Compound** sandwich vertically for at least 150mm and secure using **Geochem Self Adhesive Flashing Tape** (150mm width) allowing 75mm to be in contact with the brickwork above. Apply a second coat of **Geochem 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 with. An exposed black bituminous surface should be avoided on a pitched or flat roof. When using **Geochem All Weather Roofing Compound** a third and final coat should be preferably applied at 1.5m² per litre and, while the film is still tacky well blinded with 1 to 2mm (7 to 14 mesh) stone chippings or clean sharp sand. Alternatively onto the final **Geochem All Weather Roofing Compound** which should be allowed to weather for a minimum of two weeks, preferably one month, a solar reflective coating can be provided using **Geochem Aluminium Solar 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 **Geochem All Weather Roofing Compound**, the first applied at 1m² per litre, the second at 1.5m² per litre, will help prevent this. The **Geochem 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 **Geochem All Weather Roofing Compound** has dried the insulation may be applied over it.

COVERAGE

Geochem All Weather Roofing Compound should normally be applied in two coats at 1-1.5m² per litre depending upon porosity of the surface.

CLEANING

Tools may be cleaned with white spirit. Minor spillages should be wiped off surfaces before the **Geochem All Weather Roofing Compound** has set. Major spillages should be mopped up immediately with an inert, absorbent material, such as sand, and disposed of in accordance with regulations.

PACKAGING

Geochem All Weather Roofing Compound is available in 2.5 Litre and 5 Litre and 25 Litre tins.

HEALTH AND SAFETY

Health and Safety data sheets available on request.

TECHNICAL SERVICE

For further technical information, advice on suitability for specific applications, or detailed Health and Safety information, contact **Geocel® Technical Service**.

IMPORTANT NOTE The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that Geocel's products are safe, effective and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

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