

# TECHNICAL DATA SHEET

## ALUMINIUM ALLWEATHER ROOF COAT

Issue 6 – March 2013

### Description:

A solvent-based bituminous compound heavily bodied with fillers and fibres and a high grade of Aluminium Paste.

### Properties:

Aluminium Allweather Roof Coat dries to form a tough, flexible solar reflective coating.

### Uses:

Aluminium Allweather Roof Coat may be applied by brush or by spray to give a solar reflective finish to the previous coats of Allweather Roofing Compound and is therefore often used as the final coat in multi-coat systems. The Aluminium Allweather Roofing coating system may be used on the following surfaces.

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

Aluminium Allweather Roof Coat may be used in conjunction with a rot-proof hessian reinforcement scrim or a bitumen coated glass fibre scrim.

### Container Sizes:

5 & 25.

### Coverage:

Aluminium Allweather Roof Coat should normally be applied in 2 coats at 1.0 – 1.5m<sup>2</sup> per litre per coat, depending upon the porosity of the surface.

### Preparation of Surface:

#### Asbestos Roofs

Carry out preparatory work. It is particularly important to ensure that the Asbestos-Cement is not saturated with water before application. Wait until the Asbestos-Cement sheeting is dry and then apply one coat of Bituminous Primer. Allow the primer to dry and then apply one coat of Allweather Roof Compound, followed by a second Aluminium Allweather Roof Coat each at 1m<sup>2</sup> per litre, allowing the first coat to dry before application of the second.

#### Metal Roofs

Where there are slow 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. Allweather Roof Compound should be applied in 2 coats the second coat being Aluminium Allweather Roof Coat at 1.5m<sup>2</sup> per litre per coat.

#### Slates or 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 Allweather Roofing Compound and Glass Fibre Scrim should then be applied.

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 Allweather Roofing Compound be used in conjunction with a reinforcing membrane, either rot-proof hessian or Glass Fibre Scrim.

### **Application Instructions:**

#### **Stir well before use**

Having ensured that the surface is clean, and receptive to the coating product, apply a first coat at 1m<sup>2</sup> per litre. Immediately apply the Glass Fibre Scrim into the wet Aluminium Allweather Roof Coat film using a brush, Ensure that complete contact is achieved and that no air is trapped beneath the Allweather Roofing Compound.

The Glass Fibre Scrim should be lapped by 50 to 75mm and the inside of each lap should be painted with Allweather Roofing Compound. Small gaps and differences in levels should be bridged ensuring that the Glass Fibre Scrim is not pulled tightly across the gap so that any movements in the structure will be accommodated.

At walls and parapets, continue the Glass Fibre Scrim and Allweather Roof Compound sandwich vertically for at least 150mm and secure using Cromar Flashing Strip (150mm width) allowing 75mm to be in contact with the brickwork above. Apply a second coat which should be of Aluminium Allweather Roof Coat and allow this to dry.

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 great importance and will influence the degree of adhesion and life of the renovation. All roof 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 growth should be removed using a stiff-bristled brush. Where 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.

On asphalt roofs where blisters have occurred, these should be heated with a blowlamp until soft and then smoothed out. If the asphalt is crumbling or badly cracked, it must be removed and replaced with Polyester Based Underlay.

Allweather Roof Compound should be applied by brush in 2 coats, the first black coat being allowed to dry before the second coat of Aluminium Allweather Roof Coat is applied.

Remove any loose chippings and carry out the preparatory work detailed above. Minor marks and defects will be effectively filled and covered by the Allweather Roof Compound but where these are wider than 0.75mm they should first be filled with 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 Allweather Roof Compound at 1.5m<sup>2</sup> per litre. The Allweather Roof Compound should be allowed to set until it is tacky and then carry out preparatory work. Allow the concrete roof deck and topping screed to cure. A glass fibre felt underlay (Type 3B) should be partially bonded to the surface using Roofing Felt Adhesive, or Oxidised Bitumen. The felt should be lapped, sealed and adequate ventilation provided for the materials beneath it. Aluminium Allweather Roof Coat and Glass Fibre Scrim should then be applied.

The felt should be re-fixed by bonding it down.

Carry out preparatory work. If the deck is a new one it should be first allowed to cure and then primed using Bituminous Primer at 6-8m<sup>2</sup> per litre (depending on the porosity)

### **VOC Details:**

EU Limit for this product CAT. 2(i) : 500g/l (2010). This product contains max. 250g/l VOC's.

**Storage:**

Aluminium Allweather Roof Coat should be stored indoors away from sources of ignition, naked flames, hotlights, etc.

**Health & Safety:**

Please refer to health & safety data sheet on Aluminium Allweather Roof Coat.

**Further Information:**

In the event of further queries or problems concerning the use of this product, please contact the address below, e-mail [info@cromar.uk.com](mailto:info@cromar.uk.com) or telephone our Technical Line on 0844 8588186:

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Unit 3 The Maltings Industrial Estate, Doncaster Road, Whitley Bridge, North Yorkshire DN14 0HH

[www.cromar.uk.com](http://www.cromar.uk.com)

Tel: 01977 663133 Fax: 01977 662186 E-mail: [info@cromar.uk.com](mailto:info@cromar.uk.com)