

# SOLARSHIELD

## SOLAR REFLECTIVE ALUMINIUM ROOF COATING

**An aluminium modified bitumen solution, reinforced using fibres and non-drying oils. It dries to a tough, solar reflective, seamless membrane.**

### PERFORMANCE ADVANTAGES

- > High Performance Waterproofing Coating for Long life at 1 Square metre per Litre
- > Lasting Protection against UV Degradation and Solar Heat Gain

### USES

Ready for use to refurbish weathered roofs etc. It imparts excellent waterproofing properties, coupled with a high level of solar reflectancy, to provide a high performance weatherproof coating.

- > Product can settle with time. Stir well before use with a paddle stirrer on low speed.

### COLOUR RANGE

- > Silver.

### PACK SIZE

- > 25 Ltrs.



### SPREADING RATE

- > *High Build Coat:* 1 square metre per Litre.

### DRYING TIME

- > 4-6 hours at 20°C. This will be extended in conditions of high humidity and low temperatures. Allow 24 hours before subjecting the coating to light foot traffic.

### WATER REPELLENCY

- > Rainfall immediately after application has no adverse effect.

### SHELF LIFE

- > Up to 2 years if stored correctly in an unopened container. Store out of direct sunlight at temperatures between 8°C and 25°C.



## PREPARATION AND APPLICATION

**Product can settle with time. Stir well before use with a paddle stirrer on low speed.**

Clear all areas of moss, lichen and debris by brushing or power washing and remove surface water and any contamination such as Oil or Grease and allow to dry. Apply Britannia Fungicidal Wash to prevent further fungal/algal growth. Holes, cracks etc., must be repaired or filled prior to application.

**Most roofing substrates to be treated will not normally require priming.**

**To the dry and cleaned surface**, apply a generous coat of Britannia Solarshield Reflective Aluminium Roof Coating by brush or squeegee, at the minimum specified spreading rate as stated above under the heading.

**Application Temperature should be between 5°C-25°C.**

### SUBSTRATE TYPES

#### Highly porous/friable surfaces

Concrete and Asbestos Cladding, Sheeting and Guttering should be primed with Britannia Bitumen Primer (see separate technical sheet) prior to over coating with Britannia Solarshield Reflective Aluminium Roof Coating.

**These Surfaces - Must be jet washed prior to applying the Britannia Bitumen Primer.**

#### Metal Surfaces

- > Ferrous-New, Weathered and previously painted galvanised iron and steel.
- > Non-Ferrous Metals - Aluminium sheeting & Aluminium Alloy Box gutters and previously painted non-Ferrous Metals.

All these areas should be suitably prepared and primed as appropriate (see separate technical sheet) before application of Britannia Solarshield Reflective Aluminium Roof Coating.

#### Non-porous substrates

Slate, Polished bricks should be power washed abraded and completely dry, free from any contamination to achieve adhesion of the Britannia Solarshield Reflective Aluminium Roof Coating.

#### Bitumen surfaces

Discolouration may occur over a new asphalt, tar or bitumen surfaces; therefore an extra coat may be required, for decorative purposes only. Aged bitumen can be liable to crack, therefore further advice must be taken.

#### Previously painted or coated substrates

**IT IS GOOD PRACTICE TO INSPECT AND CARRY OUT ADHESION TESTS ON ANY EXISTING COATING OR SUBSTRATE PRIOR TO APPLICATION OF THE COATING.**

#### Splits, Cracks, Joints and Seals

Pay particular attention to clean out any splits/cracks/joints and seals by scraping or brushing off with a stiff bristle brush before applying the Britannia Bitumen Primer. Repair all faults in the surface by using a proprietary filler.

#### Crazed areas

These should be primed with Britannia Bitumen Primer prior to the application of a coat of Britannia Solarshield Reflective Aluminium Roof Coating.

*In areas where excessive movement may occur additional reinforcement must be incorporated into the coating.*



Certificate Number 8516  
ISO 9001

## IMPORTANT

- > Britannia Solarshield Reflective Aluminium Roof Coating is not recommended for the treatment of wooden surfaces, tanking, fishponds or internal use.
- > Air conditioning vents should be sealed for a minimum of 24 hours during and after the application.
- > This coating is only valid for applications in the UK.
- > **MINIMUM FINISHED FALL: when using this product it is important that a minimum finished fall of 1:80 is achieved, as stated in BS 6229.2003 (Code of Practice for the application of Liquid Applied Waterproofing Systems to flat roofs with continuously supported coverings).**

## CLEANING

For cleaning equipment use white spirit immediately after use.

## PRECAUTIONS

- > **Flammable** keep away from sources of ignition.
- > Ensure good ventilation during application.
- > Wear gloves, goggles and suitable protective clothing.
- > In case of contact with eyes rinse immediately with plenty of water and seek medical advice.
- > Remove splashes from the skin with a recognised hand cleaner or plenty of soap and water.
- > Keep out of reach of children.
- > Do not use near fishponds.
- > Toxic to aquatic organisms. May cause long term adverse effects in the aquatic environments.
- > Do not empty into drains.

## SAFETY

Good working practice should be followed and safety/walking boards should be utilised where required.

The specification and coverage rates are given in good faith and are based on our experience and knowledge but without liability.

*As Britannia Paints Limited has no direct control over the methods employed by the user in applying its products, any warranty either written or implied is given in good faith and can only cover the material itself.*

There is a Code of practice from LRWA-“Specification and use of Liquid Applied Waterproofing Systems” on [www.lrwa.org.uk](http://www.lrwa.org.uk) which can be consulted for general advice.

If in doubt regarding any of the above points, please contact our technical services department for advice.

**A Material Safety Data Sheet is available on request.**

*It is the users responsibility to ensure that this data sheet is current prior to using the product.*



Unit 7/8 King Street Trading Estate, Middlewich, Cheshire CW10 9LF  
T: 01606 834015 F: 01606 837006 E: [sales@britanniapaints.co.uk](mailto:sales@britanniapaints.co.uk) [www.britanniapaints.co.uk](http://www.britanniapaints.co.uk)

Version 1 / July 2016