

# SOLARSHIELD

## SOLAR REFLECTIVE BITUMINOUS ALUMINIUM PAINT

**An aluminium modified bitumen solution, works as both an additional waterproof protective layer for bituminous systems. A life extender to the overall system by way of enhanced UV protection.**

### PERFORMANCE ADVANTAGES

- > The silver finish offers excellent sunlight reflectivity
- > Improves the service life as compared to black bituminous roof systems prone to UV degradation

### USES

- > Rejuvenating topcoat over aged bituminous roofing materials and metal corrugated sheets
- > Solar and weather protective coating for bituminous roofing systems
- > Can be applied by brush or roller (solvent resistant)

### COLOUR RANGE

- > Solar Reflective Silver

### PACK SIZE

- > 5Lts and 25Lts

### SPREADING RATE

- > Bituminous surfaces: Up to 8 m<sup>2</sup>/Litre
- > Non-Porous surfaces (e.g Steel) :Up to 10m<sup>2</sup>/Litre
- > Coverage rates depend on porosity of the surface
- > Apply 2 Coats



### DRYING TIME

- > Between 2-4 hours depending on the temperature and ambient conditions
- > A touch test on the 1st coat will indicate readiness for the 2nd Coat.

### 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

> **STIR WELL BEFORE USE WITH A PADDLE STIRRER ON LOW SPEED AS PRODUCT CAN SETTLE WITH TIME TO ESTABLISH A HOMOGENOUS PRODUCT, IF USING THE PRODUCT OVER A FEW HOURS IT IS RECOMMENDED YOU STIR OCCASIONALLY THROUGHOUT**

> **DO NOT THIN**

> **Should the Solarshield require thinning, it is recommended to thin 5% by volume of white spirit initially and evaluate the resulting viscosity. The Solarshield should not need to be thinned if recommended storage conditions have been maintained.**

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 Britannia Solarshield by brush or roller (solvent resistant) avoid pouring directly onto a horizontal surface. This may cause puddling during application and increase drying time.

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

### **SUBSTRATE TYPES**

#### **Highly porous/friable surfaces**

If Possible thin by 5% on the 1st coat then apply an unthinned coat of Solarshield, when dry apply the second coat at right angles to the first but it is not essential to do so.

#### **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.

For long term protection these areas should be suitably prepared and primed as appropriate (see separate technical sheet) before application of Britannia Solarshield.

#### **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.

#### **New Bitumen surfaces**

If applying to a newly applied solvent based bituminous surface, then allow for a minimum of 3 days weathering **BEFORE** application of Solarshield.

#### **New Water Based Protective Coating**

If applying to a newly applied water based protective coating then allow for a minimum 14 days weathering **BEFORE** application of Solarshield.

#### **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 a Bitumen Primer. Repair all faults in the surface by using a proprietary filler.

### **Crazed areas**

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

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

## IMPORTANT

- > Britannia Solarshield 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.

## 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.*



Certificate Number 8516  
ISO 9001



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