ALUMINIUM SOLAR REFLECTIVE PAINT
Bituminous Aluminium Reflective Coating
Technical Data Sheet

BITUBOND BITUMEN SOLUTIONS & COMPOUNDS RANGE

Description:
A thin, bituminous based aluminium protective coating of brushing consistency that dries to a silvery solar reflective finish.

Features & Benefits:
- *Light/ heat reflective finish.*
- *Prevents heat build-up.*
- *Contains an aluminium pigment.*
- *Superior alternative to chippings.*
- *Prolongs the lifespan of bituminous roofs.*
- *Protects the surface against the harmful UV rays.*
- *Protects metal roofs, steel and corrugated iron.*

Uses
Bond It ALUMINIUM SOLAR REFLECTIVE PAINT is a light/heat reflective coating that will provide protection against solar degradation and heat gain. It is suitable for use over bituminous coatings, aged asphalt and primed steel. It is not suitable for direct application to expanded polystyrene.

Preparation
All surfaces must be structurally sound, clean, dry and free from surface contaminants such as grease, rust and dirt. If necessary, remove any organic growth i.e. lichen, with a fungicidal wash such as Bond It MOULD STOP. If the surface is still dusty after cleaning, or covered with weathered bitumen, prime with BITUMEN PRIMER and allow to dry.

Application
STIR VERY THOROUGHLY BEFORE USE. Do not thin. Apply immediately and continue stirring periodically during use. Apply by brush or mohair roller When brushing, use soft bristle brushes applying the lightest of pressure. The product will appear bronze coloured in the tin, but will turn silver as it dries.

Over recently applied bituminous surfaces allow the following minimum periods to elapse after the final coat has dried before applying ALUMINIUM SOLAR REFLECTIVE PAINT:-

- *hot applied coatings - 24 hours.*
- *solvent based coatings - 10 days.*
- *water based coatings - 14 days.*

Apply 2 coats, the second coat being applied as soon as the first coat is dry.

Over bituminous surfaces apply the thinnest coat necessary to obliterate the black colour of the bitumen coating for the first coat. The second coat should also be thin. Avoid the formation of pools.

Do not apply when rain, frost or overnight dew are expected before the coating is fully dry, as bronzing of the surface may result if these conditions are not observed.

When applying to large areas on bright days it is advisable to wear polarized sunglasses to reduce glare.

Drying Time
Approximately 1 hour depending on temperature, humidity, air and base conditions.

Cleaning Of Tools
Clean with paraffin (kerosene) or Bond It WHITE SPIRIT.

Size
2.5, 5 and 25L metal tins.

Coverage
4 - 6m² per litre dependant on substrate porosity.

Colour
Silver solution.

Shelf Life
Minimum of 5 years from date of manufacture under good storage conditions in original unopened containers. Material stood for several months will require extremely good stirring as separation may occur.

Storage Conditions

Store under cover away from sources of heat and ignition. Keep containers sealed when not in use. Storage temperature should be between +5°C and +25°C. Tins must be protected from rain, frost and water as long term exposure can cause reaction with the tin material and cause tins to pop.

Disposal Of Containers

Do not leave empty containers where residue could be harmful to children, animals or the environment. Remove any tins or used material to a central disposal point in accordance with local regulations.

Health & Safety

Please refer to separate safety data sheet (SDS) for full handling, use and storage instructions. Keep out of reach of children. It is the user's responsibility to determine suitability for use. If in doubt, contact our Technical Department for advice.

Note: this information is for general guidance only, since site conditions and labour are beyond our control.

Specification Summary

Type of Solvent	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromaticsApproximate
Approximate Flashpoint Test Method BS2000:Part 170:1982 [IP170/75 (81)]	+40°C
Approximate Specific Gravity	1.0
Service Temperature Limits	-30°C to +90°C depending on operating conditions
Application Temperature Limits Normally	+5°C to +30°C
Chemical Resistance	Resistant to: water and most salt solutions Not Resistant to: acids, alkalis and solvents
Fire Resistance	WET: Flammable DRY: Will burn slowly
Density	0.94g/cm³
VOC Value	448g/L
Commodity Code	2715000000

Product / Order Details

Code	Colour	Fill	Barcode	UFI
BDB030	Silver	2.5L	5060021367914	2G50-Q0UW-F00M-DX3P
BDB021	Silver	5L	5060021362117	2G50-Q0UW-F00M-DX3P
BDB022	Silver	25L	5060021362384	2G50-Q0UW-F00M-DX3P

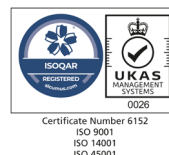**Part of the Bond It Bitubond Range**

Head Office: Unit H4, Premier Way, Lowfields Business Park, Elland, West Yorkshire. HX5 9HF.
Telephone: +44 (0)1422 315300 **Email:** salesuk@bonditgroup.com
EU Office: SISL (Bond It) Ireland Limited, 70 Sir John Rogerson's Quay, Dublin 2. **Tel:** +353 1 960 9411
Website: www.bonditgroup.com

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