

ALUSHIELD® Reflective Bitumen Aluminium Paint SB

EXTERIOR

SOLVENT BASED

1K

Description:

A one component, solvent based, reflective polymer modified bitumen aluminium reflective paint.

Intended Uses:

A single pack modified bitumen aluminium paint with excellent flow and brilliance. Used as a decorative and protective reflective coating over tar and bitumen based surfaces to protect them against ultraviolet degradation. For use on bitumen coated roofs, 'Torch on' bituminous waterproofing, bitumen coated cast iron pipes, fence posts etc.

The advanced polymer modification allows for faster curing, better application and drastically improved performance properties in comparison to traditional bitumen alkyd aluminium paints.

ALUSHIELD® Reflective Bitumen Aluminium Paint SB is highly flexible with good elongation properties to bridge hairline cracks.

Features & Benefits:

- One component, solvent based, air drying, aluminium pigmented finish coat.
- Highly reflective finish reduces temperature from UV.
- Provides protection against UV light, water and moisture, both inland and coastal.
- Excellent flow & flexibility.
- Brilliant aluminium/silver finish - offers excellent durability & weather stability.
- Improved long term flexibility results in longer time before maintenance requirements and better resistance to cracking.

Technical Data:

Colour	Brilliant aluminium
Finish	Sheen
Density (approx.)	0.96Kg /Litre
Volume Solids (approx.)	34%
Typical Film Thickness	20µm DFT per coat
Theoretical Coverage	17 m ² /Litre @ 20µm DFT, 8.5 m ² /Litre @ 40µm DFT
Method of Application	Brush, roller or airless spray
Number of Coats	2
VOC	608 gm /Litre
Viscosity (approx.)	Low viscosity liquid

Drying Information:

	10°C	20°C	25°C	40°C	50°C
Touch Dry	-	-	30 min	-	-
Hard Dry	-	-	2 hrs	-	-
Overcoating Data – See Limitations					
Substrate Temp.	10°C	20°C	25°C	40°C	50°C
Minimum	-	-	2 hrs	-	-
Maximum	Extended*				

WATERPROOFING: LIQUID MEMBRANES & COATINGS

Whilst we endeavour to ensure that all advice we give about the product is correct, the information given in this data sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so entirely at his own risk. As conditions of use, method of application and suitability of the substrate prior to painting are beyond our control, no guarantee is implied by the recommendations contained herein. We therefore do not accept any liability whatsoever or howsoever arising from the performance of this product or for any loss or damage arising out of the use of this product. The information contained in this sheet is liable to modification from time to time in the light of experience and ongoing product development programmes. It is the user's responsibility to ensure that this sheet is current prior to using the product

Surface Preparation:

Mild Steel:

Normally product is not applied direct to steel but should be used in conjunction with a specified and approved primer. If applied directly to steel, abrasive blast to Sa2½ condition with a low surface profile of <50µm in accordance with ISO 8501-1 Alternatively wire brush to grade St 3 of the same standard. This is not as effective & may result in a shorter maintenance free period

Galvanized Steel:

Remove oil, grease & temporary protective coatings with Specialized Coating Systems Galvanized Iron Cleaner. No priming needed. Wash the surface thoroughly with 'Scotchbrite' pads using drinking quality water, and allow to dry.

Bituminous Surfaces & Sheet Waterproofing Membranes:

Should be free of dust, chalking and any other loose material. No priming is needed except on porous/hungry sheet waterproofing membranes. In this case, Bitumen Aluminium Silver can be thinned further to create a low viscosity penetrating seal coat.

Application:

Mixing	Material is supplied in a steel container. This is a one component product and does not require a hardener. Agitate/stir the product well before use to ensure a homogeneous mix and no settlement of pigments.	
Thinner	Solvent XL (0 - 10% depending on application)	
Application Tools	Airless Spray	Tip range 11 – 21 Thou. Pressure at the tip should not be less than 150 bar (2200 PSI)
	Air Spray	Gun – pressure / gravity feed Fluid tip 1.3mm to 1.8mm
	Brush & Roller	Medium pile synthetic roller
Cleaner	Solvent XL	For dry paint & equipment
Work Stoppage	Do not allow material to remain in spray equipment after use, thoroughly flush and clean all equipment with Solvent XL	
Clean Up	Clean all equipment immediately after use with Universal Reducer. It is advisable to periodically flush out spraying equipment during the course of the working day. Frequency of cleaning is dependent upon the amount sprayed, temperature and elapsed time.	

Environment:

	Surface Temperature	Ambient Temperature	Relative Humidity
Minimum	5°C*	7°C	No lower limit
Maximum	35°C*	45°C	85%

* Higher temperatures result in reduced sag resistance and faster cure.

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Limitations:

- Will not withstand solvent spillage due to attack on bitumen.
- Not recommended for immersion conditions.
- The film (aluminium) is attacked by both acids and alkalis.
- Due to the viscosity and aluminium pigments contained in Bitumen Aluminium Silver, this product exhibits both high spread and hiding characteristics. Low film build should, however, be avoided in the interests of longevity. Due care should be taken during installation to apply the specified coating thickness.
- Unmixed material (in closed containers) should be maintained in protected storage in accordance with information given in the STORAGE section of this data sheet.
- Technical and application data herein is for the purpose of establishing a general guideline of the coating application procedures.
- Test performance results were obtained in a controlled laboratory environment and Specialized Coating Systems makes no claim that the exhibited published test results, or any other tests, accurately represent results found in all field environments. As application, environmental and design factors can vary, due care should be exercised in the selection and verification of the performance and use of the coating

Pack Size:

5, 20 & 200 Litre.

Storage:

- Shelf Life: 12 months minimum at 25°C. Subject to inspection thereafter.
- Store in dry conditions out of direct sunlight and away from any sources of heat or ignition.

Precautions:

For complete safety and handling information please refer to the appropriate Safety Data Sheets prior to using this product.