

AluShield® WB Reflective Paint

EXTERIOR **WATER BASED** **1K**

Description:

A one component, water based, reflective coating formulated with advanced acrylic resins & aluminium pigments.

Intended Uses:

AluShield® WB Reflective Paint is designed for the protection, rejuvenation, and enhancement of bituminous torch-on membranes. It forms a seamless, durable metallic film that shields the membrane from UV degradation, thermal cycling, and weathering; significantly extending the service life of both new & aged bituminous torch-on membrane waterproofing systems. Ideal for maintenance recoats, and new work where a single component, water-based product is preferred.

This product can also be used for the restoration & protection of new or weathered metal roof surfaces. Its bright metallic finish delivers strong solar reflectivity that significantly lowers roof surface temperatures, helping reduce building cooling loads while slowing thermal degradation of the substrate. This coating cures to form a durable, weather resistant metallic film that maintains the roof appearance & performance over time. The bright metallic finish gives a clean, modern appearance to warehouses, retail centres, factories and multi-unit residential buildings where a bright, low-glare metallic look is desirable while still providing functional performance.

Features & Benefits:

- High Solar Reflectivity – Significantly lowers roof surface temperatures, reducing cooling energy demands & improving occupant comfort.
- Advanced Acrylic Resin System – Provides long lasting adhesion & weather resistance, extending the life of roofs and reducing maintenance costs.
- One Component, Water Based Formulation – Easy to use and offers a safer alternative to solvent-based coatings.
- Durable Metallic Finish – Enhances roof aesthetics with a modern, clean look while still delivering practical reflectivity and protection.
- Weather & UV Resistance – Protects underlying substrates against cracking, chalking and premature aging.

Technical Data:

Product Physical Form	Liquid
Binder Type	Modified acrylic
Colour	Brilliant aluminium
Appearance	Smooth sheen
Volume Solids	40 ± 2%
Density (Kg/ Lt @ 23°C)	1 ± 0.05
Diluent	Water (Up to 5%)
PH	8 – 9 ± 0.5
Recommended WFT	100µm per coat (Wet Film Thickness)
Recommended DFT	40µm per coat (Dry Film Thickness)
Spreading Rate	10 m²/ Litre per coat, allowance should be made for site application losses & surface profile
Number of Coats	1
Viscosity KU	Approx. 110 ± 10 KU
Method of Application	Brush, roller or spray
Pack Size	5 & 20 Litre
Storage	Store out of direct sunlight in dry conditions between 15°C and 25°C

WATERPROOFING: LIQUID MEMBRANES & COATINGS

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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

Latest Update:
16/10/2025
Issue Date:
08/01/2020

Shelf Life	12 months when stored as recommended in original un-opened containers
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Important Information:

- Always consider a test patch to check suitability & adhesion.
- Always consult with technical department if unsure.
- Technical & application data herein is for the purpose of establishing a general guideline of the coating application procedure.
- 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 & verification of the performance and use of the coating.
- Always check weather forecast before painting. Do not paint if rain fall is imminent as it will negatively affect the ability of the product to cure and bond to the surface.
- During the winter months, do not paint in the early hours of the morning when it's cold & frost or dew may be present. This will negatively affect the products ability to cure & bond to the surface.
- During the summer months, do not paint in the middle of the afternoon when surface temperatures are above 45°C. This will negatively affect the products ability to cure & bond to the surface.

Surface Preparation:

In general, the following guidelines for preparation should be adhered to. Always consult for a detailed specification.

- The areas to be coated should be dry, firm, solid and free from dust, oil, fats, and other contaminants.
- Oil can be removed using Hydrosolve Degreaser.
- Fungal growth or algae can be removed using Fungicidal Wash.
- Laitance and loose particles must be removed thoroughly i.e., grinding /high pressure cleaning.
- Moisture content of concrete surfaces should not exceed 4%.

New Mild Steel:

Degrease with **Hydrosolve Degreaser**, and rinse thoroughly with clean drinking water. 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.

New Galvanized Steel:

Apply **Galvanized Iron Cleaner** to the surface using suitable brushes (100% synthetic/non-metal brushes) and work the product into the surface. Rinse thoroughly with clean drinking water until a water break free surface is obtained.

Painted & Weathered Galvanized Iron or Mild Steel:

Mechanically clean using a high-pressure water cleaner to remove all loose paint, chalk & dirt or scrub down with bristle brushes and water. Areas showing red rust must be patch primed with **SIMPLY® Metal & Rust** or **SpecNox Anti-Corrosive WB**.

Bituminous Surfaces & Torch-On Waterproofing Membranes:

Should be free of dust, chalking and any other loose material. No priming is needed except on porous/hungry sheet waterproofing membranes. AluShield® WB Reflective Paint can be thinned further to create a low viscosity penetrating seal coat.

Application:

Mixing	Stir well with a flat-bottomed paddle or mechanical mixer for a few minutes.	
Application Tools	Brush, roller, or spray	
Application Area	Application Type:	
	Spreading Rate	10 m ² / Litre per coat, allowance should be made for site application losses & surface profile
	Recommended WFT (per coat)	100µm
	Recommended DFT (per coat)	40µm
	Number of Coats	1
	Extra Information: -	
Thinner	Water (Up to 5%)	
Work Stoppage	Do not allow material to remain in spray equipment after use, thoroughly flush and clean all equipment with Water .	
Clean Up	Clean all equipment immediately after use with Water . It is advisable to periodically flush out spraying equipment during the course of the working day. Frequency of cleaning is dependant of upon the amount sprayed, temperature and elapsed time.	

Application Environment			
	Surface Temperature	Ambient Temperature	Relative Humidity
Minimum	10°C	10°C	10%
Maximum	50°C	35°C	85%

*or 3°C above the Dew Point

Drying & Overcoating Information	
Touch Dry	1 hours @ 25°C
Overcoating Time	6 hours @ 25°C
Hard Dry	24 hours @ 25°C
Full Cure	24 hours @ 25°C
Extra Information	-

Systems:

Consult with Specialized Coating System for application specific recommendations.

Safety Information:

- Refer to product SDS for health & safety prior to using products.
- Always wear safety clothing / protection. Respirators, eye protection and skin protection.
- Apply in well-ventilated areas.