

METALCARE SILVERSHINE ALUMINIUM

PRODUCT CODE: ASS 1

TECHNICAL DATA SHEET

Product Description	A high-quality aluminium paint which imparts a brilliant silver finish.													
Intended Uses	<ul style="list-style-type: none"> • METALCARE SILVERSHINE ALUMINIUM is recommended for pipes, gates, fences and structural steel. • Used as interior or exterior finishing coat over suitably primed and undercoated steel, wood and masonry providing excellent protection against water/moisture and ultraviolet light degradation. 													
Features & Benefits	<ul style="list-style-type: none"> • Provides good protection on interior and exterior surfaces. • Is heat resistant up to 100 °C. • Has excellent brilliance. 													
Product Information	Appearance	High silver lustre												
	Colour	Silver												
	Volume Solids	56 %												
	Viscosity at 23 °C	53 - 57 KU (typical)												
	Recommended DFT	20 – 30 µm per coat												
	Recommended WFT	35 – 54 µm per coat												
	Theoretical spreading rate	22.4 m ² /L at 25 µm DFT												
	Practical spreading rate	The practical spreading rate will vary depending on the surface profile of the substrate, as well as the application technique and tools used.												
	VOC	336 g/L												
Application Details	Mixing	Stir thoroughly with a flat paddle until homogeneous and occasionally during use.												
	Method	Brush, roller or spray.												
	Thinning	No thinning for brush, roller and airless spray application. For conventional spray application thin approx. 10 parts SILVERSHINE to 1 part of SPRAYING THINNER (TH 3) or MINERAL TURPENTINE (AZH 1) by volume.												
	Cleaning	MINERAL TURPENTINE (AZH 1) .												
	Drying time	Touch dry: 4 h @ 23 °C Over coating: 16 h @ 23 °C												
	Application Environment	<table border="1"> <thead> <tr> <th>Surface Temperature</th> <th>Ambient Temperature</th> <th>Relative Humidity</th> </tr> </thead> <tbody> <tr> <td>Min: 10 °C</td> <td>Min: 10 °C</td> <td>Min: 10 %</td> </tr> <tr> <td colspan="3">or 2 °C min. above dew point</td> </tr> <tr> <td>Max: 40 °C</td> <td>Max: 40 °C</td> <td>Max: 85 %</td> </tr> </tbody> </table>	Surface Temperature	Ambient Temperature	Relative Humidity	Min: 10 °C	Min: 10 °C	Min: 10 %	or 2 °C min. above dew point			Max: 40 °C	Max: 40 °C	Max: 85 %
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Max: 40 °C	Max: 40 °C	Max: 85 %												
Storage and Packaging	Store away from direct sun, heat and severe cold. Packaging: 500 mL, 1 L, 5 L and 20 L													

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Surface Preparation

Surfaces must be clean, sound, dry and free from grease, oil or any other contaminants.

1. **NEW WORK**

1.1 **Mild Steel:**

Remove oil, grease and dirt contamination with **PLASCON AQUASOLV DEGREASER (GR 1)**. Rinse thoroughly with fresh water and allow to dry. Remove all rust by coarse sanding, wire brushing, etc. Prime general surfaces the same day with **METALCARE MILD STEEL PRIMER (UC 501)** or **METALCARE METAL WB PRIMER (MWP 1)** or **PLASCONPRIME 170 (UC 170)** for coastal conditions.

1.2 **Galvanised steel:**

Remove grease, oil and temporary protective coating with **METALCARE GALVANISED IRON CLEANER (GIC 1)**, followed by clean water rinses until a water break-free surface is achieved.

Remove any red rust with scouring pads, sanding or wire brushing etc. back to clean bright metal. Spot prime areas where rust has been removed with **METALCARE METAL WB PRIMER (MWP 1)** or **METALCARE ETCH PRIMER (SNK 100 & 200)**. Prime the entire surface with **METALCARE GALVANISED IRON PRIMER (GIP 1)** or **METALCARE METAL WB PRIMER (MWP 1)**

1.3 **Wood:**

Sand wood to a smooth surface in the direction of the grain. Clean resinous areas with **LACQUER THINNERS (ILS 1)**. Dust off thoroughly and apply **PLASCON WOODCARE KNOT SEAL (PK 2)** to knots and resinous areas. Prime with **PLASCON WOOD PRIMER (UC 2)**.

1.4 **Cement plaster, concrete, brickwork:**

Ensure that surfaces have cured for at least 28 days and are thoroughly dry. Clean surfaces with **POLYCELL SUGAR SOAP POWDER** solution and rinse thoroughly with fresh water. Friable and highly porous surfaces must be restored to a sound condition by applying **PLASCON PLASTER PRIMER (UC 56)**. It is recommended to apply **PLASCON UNIVERSAL UNDERCOAT (UC 1)** over the primer to enhance the service life of the system.

2. **PREVIOUSLY PAINTED SURFACES**

2.1 **Previously painted surfaces in good condition:**

Remove loose and peeling paint by scraping and sanding. Clean with **POLYCELL SUGAR SOAP POWDER** solution, rinse thoroughly with fresh water and allow to dry. Spot prime bare areas with the appropriate primer. Sand glossy areas to a matt finish to aid adhesion. Apply 1 coat of **PLASCON UNIVERSAL UNDERCOAT (UC 1)** to entire surface

2.2 **Previously painted surfaces in poor condition:**

Remove any peeling paint or rust by wire brushing coarse sanding etc. Scrub with **POLYCELL SUGAR SOAP** solution, rinse with clean water and allow to dry. Treat as for NEW WORK above.

3. **FILLING**

Fill all imperfections with **POLYCELL MENDALL 90** or the appropriate **POLYFILLA** product. Use **MENDALL 90** for wood.

Application

- Apply 2 coats un-thinned by brush, roller or airless spray
- For conventional spray application thin as recommended.

Cautions

- Avoid thick coats which will retard through drying.
- Not to be used as a roof coating
- Not recommended for chemical or acid polluted environments.
- It is a leafing product and should be layed off carefully to avoid overlap marks.
- Spray application recommended for large areas to ensure uniform appearance.
- Use only the recommended solvents for thinning.
- Avoid "fingering" when airless spraying.
- Take care to relieve pressure when opening the can.
- Once opened shelf life decreases.

Safety

Precautions

- Always keep paint out of reach of children.
- Ensure good ventilation during application and drying.
- If accidental contact with skin should occur, wash immediately with soap and water or a recognised skin cleaner.
- Take care to avoid contact with the eyes. In case of contact, immediately rinse the eyes with plenty of water and seek medical attention.
- Harmful if swallowed. Seek medical attention and do not induce vomiting.
- Do not smoke while painting.
- Flammable. Store in a cool dry place away from heat and sparks.
- Refer to Safety Data Sheet for complete information.

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DISCLAIMER:

The recommendations contained herein are given in good faith and are meant to guide the specifier or the user. They are based on results gained from our tests and experiences and are believed to be reliable. No guarantee is implied by the recommendations contained herein since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control.

NB: Technology may change with time necessitating changes to this Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used.

NB: TO ORDER: Quote product name, product code number, packaging and colour.

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