



METALCARE SILVERSHINE ALUMINIUM

PRODUCT CODE: ASS 1

PRODUCT DATA SHEET NO: PL-32

DATE: SEPTEMBER 2010

THIS SUPERSEDES ALL PREVIOUS PUBLICATIONS

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	<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													
	Solids	Approx. 65 % by mass;	56 % by volume												
	S G	0,96 (typical)													
	Theoretical spreading rate	28 m ² /ℓ at 20 µm DFT													
	Viscosity at 23 °C	53 - 57 KU (typical)													
	Flash Point	38 °C													
Application Details	Mixing	Stir thoroughly with a flat paddle until homogeneous and occasionally during use.													
	Method	Brush, roller or spray.													
	Thinning	Not normally necessary to thin for brush and roller application. For spray application thin approx. 10 parts SILVERSHINE to 1 part SPRAYING THINNER (TH 3) or MINERAL TURPENTINE (AZH 1) by volume.													
	Cleaning	MINERAL TURPENTINE (AZH 1) .													
	Substrate	All surfaces which are properly primed and undercoated e.g. mild steel, galvanised steel, wood, masonry, etc.													
	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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Min: 10 °C	Min: 10 °C	Min: 10%													
or 2 °C min. above dew point															
Max: 40 °C	Max: 40 °C	Max: 85 %													
	Drying time	Touch dry 4 h at 23 °C Recoating 16 h at 23 °C Dry to handle 16 h at 23 °C													
Storage and Packaging	Store away from direct sun, heat and severe cold.														
	Packaging: 500 ml, 1 ℓ, 5 ℓ and 20 ℓ.														
Application	<ul style="list-style-type: none">• Apply unthinned by brush or roller.• For conventional and airless spray application thin as recommended.• Apply in thin coats - thick coats retard through drying.														



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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 **METALCARE 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)**.

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. 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)** or **PLASCON MULTI-SURFACE PRIMER (WUP 1)**. 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 and spot prime bare areas with the appropriate primer. Clean with **POLYCELL SUGAR SOAP POWDER** solution and rinse thoroughly with fresh water. Sand glossy areas to a matt finish to aid adhesion.

2.2 Previously painted surfaces in poor condition:

Remove any peeling paint or rust with the appropriate **REMOVAL COATING/RUST REMOVER** or by wire brushing coarse sanding etc. and treat as for new work.

3. FILLING

Fill all imperfections with **POLYCELL MENDALL 90 (801601)** or the appropriate **POLYFILLA** product. Use **MENDALL 90** for wood.

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 can stain hands, use protective gloves.
- Spray application recommended for large areas to ensure uniform appearance.
- Use only the recommended solvents for thinning.
- 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 Material 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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