125.08

Silver-Brite®
Aluminum Paint

B59S00011

CHARACTERISTICS

SILVER-BRITE ALUMINUM PAINT is a quality, one package, interior-exterior, general purpose aluminum paint formulated with 325-mesh leafing aluminum pigment, petroleum resin, and select oils producing a chrome-like uniform appearance.

For use on properly prepared
Steel, Concrete and Masonry, Primed Galvanized & Aluminum

Features:
- Dry heat resistant to 400°F (204°C)
- Resists discoloration compared to alkyds
- Protection against weathering and moisture
- Exterior-interior all-purpose enamel
- Brush, roll or spray application

Recommended for use in:
• Interior-exterior • Piping • Bridges • Fences
• Refineries • Siding • Storage tanks exterior

Color:	Aluminum
Recommended Spreading Rate per coat:	
Wet mils:	2.5-3.5
Dry mils:	1.0-1.5*
Coverage sq. ft. per gallon:	448-673
Theoretical coverage: sq. ft. per gallon @ 1 mil dry	673

*Do not apply greater than 1.5 mils D.F.T. per Coat

Approximate spreading rates are calculated on volume solids and do not include any application loss. Note: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 3.0 mils wet, @ 50% RH:

	@50°F	@77°F	@110°F
To touch	4 hours	2-4 hours	30 min.
Tack free	12 hours	6-12 hours	2 hours
To recoat	28 hours	24 hours	10 hours
To cure	10 days	8 days	3 days

Drying, and recoat times are temperature, humidity, and film thickness dependent.

Tinting: **Do Not Tint**

Finish: **Aluminum sheen**

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(may vary by color)

V.O.C. (less exempt solvents):

451 grams per litre; 3.76 lbs. per gallon
As per 40 CFR 59.406

Volume Solids:	42 ± 2%
Weight Solids:	52 ± 2%
Weight per Gallon:	7.87 lb
Flash Point:	108°F PMCC
Shelf Life:	36 months, unopened

COMPLIANCE

As of 06/30/2021, Complies with:

OTC	Yes
OTC Phase II	Yes
S.C.A.Q.M.D.	No
CARB	Yes
CARB SCM 2007	Yes
CARB SCM 2020	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	No
LEED® v4 & v4.1 V.O.C.	No
EPD-NSF® Certified	No
MIR-Manufacturer Inventory	No
MPI®	Yes

APPLICATION

Temperature:	
minimum	40°F / 4.4°C
maximum	120°F / 49°C
	air, surface, and material
	At least 5°F above dew point
Relative humidity:	85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer:	Not recommended
Airless Spray:	
Pressure	2000 p.s.i.
Hose	1/4 inch I.D.
Tip	.010-.012 inch
Conventional Spray:	
Gun	Binks 95
Fluid Nozzle	63C
Air Nozzle	63PB
Atomization Pressure	50 p.s.i.
Fluid Pressure	20 p.s.i.
Brush	Natural Bristle
Roller Cover	1/4 inch woven with solvent resistant core

If specific application equipment is listed above, equivalent equipment may be substituted.

Apply paint at the recommended film thickness and spreading rate as indicated. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance. Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness, or porosity of the surface, skill, and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, over thinning, climatic conditions, and excessive film build. Special care should be exercised while using this product for maximum performance. Film thickness and surface preparation are critical. Be especially concerned at lap areas and when using airless spray. Excessive film thickness will cause blistering and peeling. Insufficient film thickness may lead to premature rusting of the surface. Do not apply greater than 1.5 mils (40 microns) dft/ct

Lightly stir before use. **Do not shake** with mechanical shaker or overly agitate, as a dull, non-uniform, mottled appearance will result.

For best results, apply to a cool surface between 60°F (16°C) - 90°F (32°C). Stripe coat crevices, welds, and sharp angles to prevent early failure in these areas. When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle.

SPECIFICATIONS

Steel, 200°F (93°C) to 400°F (204°C):
2 coats Silver-Brite Aluminum

Steel, rusted, below 200°F (93°C):
1 coat Kem Bond HS
Or
1 coat Kem Kromik Universal Metal Primer
2 coats Silver-Brite Aluminum

Aluminum, below 200°F (93°C):
1 coat DTM Wash Primer
2 coats Silver-Brite Aluminum

Concrete Block, below 200°F (93°C):
1 coat Pro Industrial Heavy Duty Block Filler
2 coats Silver-Brite Aluminum

Galvanized Metal, below 200°F (93°C):
1 coat Galvite HS
2 coats Silver-Brite Aluminum

Insulated Pipe and Ductwork, interior below 130°F (54°C):
1 coat ProMar 200 Zero VOC Latex Primer
2 coats Silver-Brite Aluminum

Masonry, below 200°F (93°C):
1 coat Loxon Concrete and Masonry Primer
2 coats Silver-Brite Aluminum

The systems listed above are representative of the product's use, other systems may be appropriate. Other primers may be appropriate.

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SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer-sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Iron & Steel (below 200°F/93°C) - Remove all oil and grease from the surface by Solvent Cleaning per SSPC-SP1. Minimum surface preparation is Commercial Blast Cleaning per SSPC-SP6/NACE 3, 1 mil profile. Use Kem Bond HS Primer.

Iron & Steel (200°F/93°C-400°F/204°C) - Remove all oil and grease from the surface by Solvent Cleaning per SSPC-SP1. Minimum surface preparation is Near White Blast Cleaning per SSPC-SP10/NACE 2, 1 mil profile. Apply two coats Silver-Brite Aluminum Paint. Do not apply greater than 1.5 mils dft/ct.

Aluminum (below 200°F/93°C) - Remove all oil, grease, dirt, oxide, and other foreign material by Solvent Cleaning per SSPC-SP1. Primer required**.**

Galvanized Metal (below 200°F/93°C) - Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. Prime with Galvite HS. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch of a primer coat. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP16 is necessary to remove these treatments. Rusty galvanizing below 200°F (93°C) requires a minimum of Hand Tool Cleaning per SSPC-SP2. Primer required.

Concrete (below 200°F/93°C) - For surface preparation, refer to SSPC-SP13/NACE 6 or ICRI No. 310.2R, CSP 1-3. Surface should be thoroughly clean and dry. Air, surface, and material temperature must be at least 55°F (13°C) before filling. Use Pro Industrial Heavy Duty Block Filler. The filler must be thoroughly dry before topcoating per manufacturer's recommendations. Primer required.

Masonry (below 200°F/93°C) - All masonry must be free of dirt, oil, grease, masonry dust, etc. Special care should be exercised while using this product for maximum performance. Film thickness and surface preparation are critical. Be especially concerned at lap areas and when using airless spray. Excessive film thickness will cause blistering and peeling. Insufficient film thickness may lead to premature failure of the coating. Always apply to cool surfaces (50°F/10°C-100°F/93°C). Primer required.

Insulated Pipe & Ductwork (interior below 130°F/54°C) - Prime with ProMar 200 Zero VOC Latex Primer. **NOTE:** For insulated pipe and ductwork 130°F (54°C) to 400°F (204°C), apply two coats Silver-Brite Aluminum Paint direct to surface.

SURFACE PREPARATION

Previously Painted Surface (below 200°F/93°C) - If in sound condition, clean the surface of all foreign material. Spot primer bare areas with recommended primer. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Mildew - Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised. Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label. Refer to the Safety Data Sheets (SDSs) before use.

FOR PROFESSIONAL USE ONLY.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

CLEANUP INFORMATION

Clean spills, spatters & tools with compliant cleanup solvent. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

DANGER: Rags, steel wool, other waste soaked with this product, and sanding residue may spontaneously catch fire if improperly discarded. Immediately place rags, steel wool, other waste soaked with this product, and sanding residue in a sealed, water-filled, metal container. Dispose of in accordance with local fire regulations.

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