SPECIFICATIONS

Color:
Aluminum

Recommended Spread Rate per coat: Aluminum B59S00002
wet mils: 3.0 - 4.0
dry mils: 1.1 - 1.5* *Do not apply greater than 1.5 mils
dft/ct

coverage: 568 - 416 sq ft/gal approximate

Drying Schedule @ 3.0 mils wet, 50% RH:

@ 50°F/10°C @ 77°F/25°C @ 100°F/38°C
To touch: 4 hours 30 minutes 20 minutes
Tack free: 10 hours 6-8 hours 2 hours
To recoat: 22 hours 18 hours 4 hours
To cure: 30 days 30 days 30 days

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

RECOMMENDED SYSTEMS

Steel, 200°F (93°C) to 400°F (204°C):
2cts. Silver-Brite HD Rust Resistant Aluminum
Steel, rusted, below 200°F (93°C):
1ct. Kem Bond HS
1ct. Kem Kromik Universal Metal Primer
2cts. Silver-Brite HD Rust Resistant Aluminum
Aluminum, below 200°F (93°C):
1ct. DTM Wash Primer
2cts. Silver-Brite HD Rust Resistant Aluminum
Galvanized Metal, below 200°F (93°C):
1ct. Galvite HS
2cts. Silver-Brite HD Rust Resistant Aluminum
Insulated Pipe and Ductwork, interior below 130°F (54°C):
1ct. Loxon Concrete and Masonry Primer
2cts. Silver-Brite HD Rust Resistant Aluminum
Masonry, below 200°F (93°C):
1ct. Loxon Concrete and Masonry Primer
2cts. Silver-Brite HD Rust Resistant Aluminum

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

System: (unless otherwise indicated)
Substrate: Steel
Surface Preparation: SSPC-SP10/NACE 2, 1 mil profile
Finish: 2cts. Silver-Brite Aluminum, B59S00002 @ 1.5 mils dft/ct.

Dry Heat Resistance:
Result: Up to 400°F (204°C)

Density:
Result: 7.62-7.92

Ford Cup:
Method: SEC #4
Result: 22-26

1 Standard test based on Certificate of Analysis
SILVER-BRITE® HEAVY DUTY RUST RESISTANT ALUMINUM

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.

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 Blasting Cleaning per SSPC-SP6/NACE 3, 1 mil profile maximum.

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 Commercial Blast Cleaning per SSPC-SP6/NACE 3, 1 mil profile maximum. Apply two coats Silver-Brite Aluminum Paint. Do not apply greater than 1.5 mils dft.

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 Soak and 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 Paint direct to surface.

APPLICATION PROCEDURES

Apply paint at the recommended film thickness and spreading rate as indicated on front page. 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/c.

SAFETY PRECAUTIONS

Refer to the SDS sheet 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.

PERFORMANCE TIPS

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 50°F (10°C) - 100°F (37°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.

APPLICATION

Refer to the SDS sheet before use

Temperature: 50°F(10°C) minimum
120°F(49°C) maximum

(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
Clean Up Compliant Mineral Spirits

Airless Spray
Pressure 2000 psi
Hose 1/4" ID
Tip .011"-.015"
Filter 60 mesh

Conventional Spray
Gun Binks 95
Fluid Nozzle 63C
Air Nozzle 63FB
Atomization Pressure 50 PSI
Fluid Pressure 20 PSI

Brush Natural Bristle

Roll 3/8" woven with solvent resistant core

In order to avoid blockage of spray equipment, clean equipment before use or before periods of extended downtime with compliant solvent.

CLEANUP INFORMATION

Clean spills, splatters & 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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The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS.