



390S1200
High Heat Silver
(Up To 1200°F)

PRODUCT DESCRIPTION

High Heat Silver is designed for use where temperature requirements call for temperature resistance up to 1220°F. Typical application may include super heated steam lines, boiler casings and drums, headers, stacks, etc.

This product is available in fifty-five gallon drums, five-gallon containers, and one-gallon pails.

Prices may be obtained from your Sumter Coatings Sales Representative, or by calling Sumter Coatings Customer Service at 1-888-471-3400.

TECHNICAL INFORMATION

Generic Types: Silicone Aluminum

Gloss: 25 – 40 units @ 60° Maximum

Use: Protective / Decorative

Color: Silver / Aluminum

Recommended Film Thickness: 1.0 Mil Dry

Spread Rate: Apply at approximately 420.0 sq ft/gal to obtain a dft of 1 mil (100% paint utilization).

Dry Time: @ 77°F (25°C)
& 50% Relative Humidity

Set to Touch: 15 minutes

Tack Free: 1 – 3 hours

This paint dries hard at ambient temperatures and for maximum performance at 600°F – 1200°F (315°C – 649°C), the following cure cycle should be used: Eight hours @ 400°F (204°C); then, a gradual increase to 600°F (315°C) and hold at this temperature for six hours before increasing to maximum operating temperature.

Flash Point: In excess of 90°F (32.2°C)

Viscosity: 24 – 26 #2 Zahn @ 77°F (25°C)

VOC: 4.87 (584 g/l) ± 2%

#HAPS / Gal Solids: 6.71

Solids By Volume: 26.21 ± 2%

Solids By Weight: 42.14 ± 2%

Weight Per Gallon: 8.41 ± .15 lbs/gal

Shelf Life: Two years unopened from date of manufacture.

Clean Up: 560X3504 (Xylene)

APPLICATION INFORMATION

SURFACE PREPARATION:

Surface of substrate should be dry, clean, and in sound, paint worthy condition. The surface must be free of dirt, grease, oil, salts, loose rust, loose mill scale, and any other foreign materials or contaminants. For maximum performance, prepare surface in accordance with SSPC-SP10, Near White Metal Blast, to an average profile depth of .75 mils. Minimum surface preparation should be SSPC-SP6, Commercial Blast Cleaning. Do not apply over old coatings.

APPLICATION CONDITIONS:

Temperature:

Temperature should not exceed 120°F or go below 40°F during application. This applies to air, surface of substrate and the primer itself. The temperature should be at least 5° F above the dew point.

Relative Humidity:

Painting should not proceed if the relative humidity is above 85%.

MIXING & THINNING INSTRUCTIONS:

Before use, mix paint thoroughly by boxing and stirring. Mechanical stirring is preferred. Be sure all settlement, if any, is well incorporated.

If needed, thin up to 5% by volume with 560X3504 (Xylene).

Note: The addition of thinner reduces viscosity, which, in turn, affects spread rate and application characteristics. If thinner is used, make sure it is well incorporated into the paint prior to application.

APPLICATION EQUIPMENT:

The following are general recommendations. Pressure and tip size may be varied due to temperature changes and for proper spray characteristics.

Thinning: If needed, thin up to 5% by volume with 560X3504 (Xylene).

See Mixing and Thinning Instructions for further information.

Airless Spray:

Pressure: 2000 psi

Hose: 1/4" ID

Tip Size: .015"

Conventional Spray:

Gun: Binks 95

Fluid Nozzle: 63C

Air Nozzle: 63PB

Atomization Pressure: 60 psi

Fluid Pressure: 20 psi

Brush for touch-up only.

HINTS FOR BETTER PERFORMANCE:

A clean substrate is necessary for optimal performance of the primer, as direct contact of primer and steel surface is required for rust inhibition and good adhesion.

All welds, sharp edges, angles, and other areas prone to early rusting due to insufficient coverage should be stripe-coated prior to full application in order to help prevent premature failure in these areas.

Over-thinning of the coating material can result in an insufficient film-build, poor adhesion and overall poor appearance.

During the spray application, use a 50% overlap with each pass of the gun. This will help ensure complete and thorough coverage, avoiding low build areas, which may corrode prematurely due to insufficient primer.

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