



**HPC/Industrial Maintenance**

**SPEEDHIDE® Int/Ext Heat Resistant Coating**

**Generic Type**

Unmodified Silicone Resin

**Tinting and Base Information**

Do Not Tint  
6-220 Aluminum

**General Description**

Recommended for use as a finish coat for hot surfaces with in-use temperatures from 450°F (232°C) to 1000°F (538°C). SPEEDHIDE® Interior/Exterior Heat Resistant Coating is an unmodified silicone aluminum coating. SPEEDHIDE Heat Resistant Coating provides maximum resistance to the formation of blisters at high temperatures by being applied at 1 mil (dry) coat. In order to insure heat resistance, the product must be heated to 450°F within two to 24 hours after application.

**Recommended Uses**

Metal

**Features / Benefits**

Excellent Adhesion  
Heat Resistant from 450°F (232°C) to 1000°F (538°C)  
Blister resistant  
Aluminum finish, Eggshell sheen

**Limitations of Use**

Apply when air, surface and product temperatures are above 50°F (10°C), and surface temperature is at least 5°F (3°C) above the dew point. Avoid exterior application late in the day when dew and condensation are likely to form or if rain is threatening. Spray application is preferred. Small areas may be brushed. Not recommended for surfaces with in-use temperatures below 450°F (232°C). Material must be cured by heating to 450°F (232°C) for one hour, within 2 to 24 hours after application. If the coating is left at ambient temperatures for a prolonged period of time after application, the service life of the coating will be seriously affected. Do not apply to surfaces with temperature in excess of 140°F (60°C) at painting time. Do not exceed a maximum of 2 mils dry film build in order to maintain heat resistance properties. Do not topcoat with a latex coating. Not recommended for immersion service. Formulated for professional application only.

**Product Data**

**Gloss:** Eggshell  
**VOC\*:** 5.42 lbs/gal 497.00 g/L  
**Coverage:** 193 to 385 sq ft/gal (18 to 36 sq. m/3.78L)  
*Note: Does not include loss due to varying application method, surface porosity, or mixing.*  
**DFT:** 1.0 minimum to 2.0 maximum  
**Weight/Gallon\*:** 7.8 lbs. (3.5 kg) +/- 0.2 lbs. (91 g)  
**Volume Solids\*:** 24% +/- 2%  
**Weight Solids\*:** 36% +/- 2%  
**Clean-up:** VM & P Naphtha

Results will vary by color, thinning and other additives.

\*Product data calculated on 6-220

**Drying Time:**

To Touch: 4 hours  
To Handle: 9 hours  
To Recoat: After curing at 450  
Dry Time @77°F (25°C); 50% relative humidity

**In Service Temperature:**

Dry Heat (F): 1,000° Dry Heat (C): 538°

**Flash Point:** 42°F, (6°C)

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## General Surface Preparation

Surface must be clean, dry, and free of dust, oil, grease, and all other contaminants. Sandblasting to near white metal SSPC-SP 10 (NACE No. 2) is required if this product is to be applied directly to a ferrous substrate, and to achieve maximum in-service temperature limitation of 1000°F (538°C). Maximum resistance to high temperature blistering is secured when the coating is applied as one thin coat (approximately 1 mil dry film per coat). Recoat after curing at 450°F (232°C). Material must be cured by heating to 450°F (232°C) for one hour, within 2 to 24 hours after application.

## Recommended Primers

none Refer to Surface Preparation Recommendations.

## Application Information

## Recommended Spread Rates:

Wet Mils :	4.2 minimum to	8.3 maximum
Wet Microns:	106.7 minimum to	211.0 maximum
Dry Mils :	1.0 minimum to	2.0 maximum
Dry Microns:	25.4 minimum to	50.8 maximum

**Application Equipment:** Changes in application equipment, pressures and/or tip sizes may be required depending on ambient temperatures and application conditions.

**Conventional Spray:** Fluid Pressure: 15 - 20 psi Air pressure: 75 psi

**Airless Spray:** Not Recommended

**Brush:** High Quality Polyester/Nylon Brush

**Roller:** Not Recommended.

**Thinning:**  
DO NOT THIN.

## Directions for Use

Mix thoroughly before and during use. Read all label and Material Safety Data Sheet (MSDS) information prior to use. MSDS are available through our website or by calling 1-800-441-9695.

## Permissible temperatures during application:

Material:	50 to 90°F	10 to 32°C
Ambient:	50 to 100°F	10 to 38°C
Substrate:	50 to 100°F	10 to 38°C

PPGAF believes the technical data presented in this bulletin is currently accurate; however, no guarantee of accuracy, comprehensiveness, or performance is given or implied. Improvements in coatings technology may cause future technical data to vary from what is in this bulletin. For complete, up-to-date information visit our web site or call 1-800-441-9695

## Packaging: 1-Gallon (3.78L)

Not all products are available in all sizes.



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**Bulletin: 6-220**

Additional copies of this bulletin can be obtained from our web site or by calling 1-800-428-7806.

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