



PPG High Performance Coatings

SPEEDHIDE® Exterior/Interior Heat Resistant Coating

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® Exterior/Interior 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.

RECOMMENDED SUBSTRATES

Ferrous Metal

CONFORMANCE STANDARDS

Meets MPI category #2, aluminum paint, heat resistant enamel
Meets MPI category #22, aluminum paint, high heat

DIRECTIONS FOR USE

Mix thoroughly before and during use. Spray application is preferred. Small areas may be brushed. USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN. 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.

Explosion-proof equipment must be used when coating with these materials in confined areas. Keep containers closed and away from heat, sparks, and flames when not in use.

Permissible temperatures during application:

Material:	60 to 90°F	15 to 32°C
Ambient:	50 to 100°F	10 to 38°C
Substrate:	50 to 130°F	10 to 54°C

APPLICATION INFORMATION

Application Equipment: Apply with a high quality brush or by spray equipment. Changes in application equipment, pressures, and/or tip sizes may be required depending on ambient temperatures and application conditions.

Conventional Spray: DeVilbiss MBC 510, E or FF tip and needle, 704, 765 air cap or equivalent.

Spray equipment must be handled with due care and in accordance with manufacturer's recommendation. High-pressure injection of coatings into the skin by airless equipment may cause serious injury.

Airless Spray: Not recommended

Brush: High quality polyester/nylon brush

Roller: Not recommended

Thinning: Do not thin.

FEATURES / BENEFITS

Features

- Excellent adhesion
- Heat resistant from 450°F (232°C) to 1000°F (538°C)
- Blister resistant
- Aluminum finish, eggshell sheen
- Meets MPI category #2, aluminum paint, heat resistant enamel
- Meets MPI category #22, aluminum paint, high heat

TINTING AND BASE INFORMATION

Do not tint.

6-220 Aluminum

PRODUCT DATA

PRODUCT TYPE:	Unmodified Silicone Resin
SHEEN:	Eggshell
VOLUME SOLIDS*:	30% +/- 2%
WEIGHT SOLIDS*:	42% +/- 2%
VOC*:	582 g/L (4.9 lbs./gal.)
WEIGHT/GALLON*:	8.3 lbs. (3.7 kg) +/- 0.2 lbs. (91 g)

COVERAGE: Approximately 239 to 478 sq. ft./gal. (22 to 44 sq. m/3.78L) per U.S. Gallon (3.78L) on smooth, nonporous surfaces.

Wet Film Thickness:	7 mils
Wet Microns:	170
Dry Film Thickness:	1.5 mils
Dry Microns:	38

Coverage does not include variation due to application methods, surface porosity, and/or mixing.

DRYING TIME: Dry time @77°F (25°C); 50% relative humidity.

To Touch:	4 hours
To Recoat:	Must be heated to 450°F (232°C) for one hour within two to 24 hours after application to insure heat resistance.

Drying times listed may vary depending on temperature, humidity, film build, color, and air movement.

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

CLEAN UP: VM & P Naphtha

DANGER: Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water-filled metal container. Refer to www.pittsburghpaints.com, Spontaneous Combustion Advisory for additional information.

DISPOSAL: Contact your local environmental regulatory agency for guidance on disposal of unused product. Do not pour down a drain or storm sewer.

FLASH POINT: 42°F (6°C)

Benefits

GENERAL SURFACE PREPARATION

The surface to be coated must be dimensionally stable, dry, clean, and free of oil, grease, release agents, curing compounds, and other foreign materials. The service life of the coating is directly related to the surface preparation. **WARNING!** If you scrape, sand, or remove old paint, you may release lead dust or fumes. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.** Wear a properly fitted NIOSH-approved respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the USEPA National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead. In Canada contact a regional Health Canada office. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

Abrasive blasting to near white metal blast clean SSPC-SP10 (NACE No. 2 with an anchor pattern of 0.5 to 0.75 mils) 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. For high heat, the minimum surface preparation is near white metal blast clean per SSPC-SP10.

LIMITATIONS OF USE

Apply only when air, surface and product temperatures are above 50°F (10°C) and 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 when rain is anticipated.

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 left at ambient temperatures for a prolonged period of time after application, service life will be seriously affected. Do not apply to surfaces with temperature 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. For Professional Use Only; Not Intended for Household Use.

PACKAGING

1-Gallon (3.78L)

PPG Architectural Finishes, Inc. believes the technical data presented 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 technical information, visit our web site or call 1-800-441-9695.



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