Commercial Performance Coatings

HHS-900

CPC168

Black High Heat Silicone

PRODUCT DESCRIPTION

HHS-900 **BLACK HIGH HEAT SILICONE**

TYPE: **SILANE**

RECOMMENDED USE: HHS-900 is intended for use on austenitic stainless and carbon steel to provide protection against chloride attack and stress corrosion cracking on both insulated and uninsulated surfaces. HHS-900 has excellent thermal shock and barrier properties and may be used as a heat resistant coating for carbon steel. Suitable for high heat applications where into service temperatures can reach 850°F (454°C)

PHYSICAL CONSTANTS

WEIGHT PER U.S. GALLON
9.63 lbs/gal.

PERCENT SOLIDS BY WEIGHT
52.1% +/- 2%

PERCENT SOLIDS BY VOLUME
34.8% +/-2%

FLASH POINTS
HHB-900 62°F (17°C)

VOC (PACKAGED) 4.62 lbs/gal (maximum)

READY TO SPRAY VISCOSITY #3 Zahn N/A #2 Zahn 42-53 seconds

PERFORMANCE FEATURES

SHEEN:
MATTE

IN SERVICE TEMPERATURE LIMITATIONS:
850°F (454°C)

CHEMICAL/SOLVENT RESISTANCE

WATER RESISTANCE: Resistant to intermittent exposure. **Not recommended for immersion service**

SURFACE PREPARATION

The surface to be coated must be sanded or abrasive blasted and free of all contamination, including dust, dirt, oil, grease and oxidation. Chemical treatment or the use of a conversion coating will improve the adhesion and performance properties of the finished coat.

APPLICATION DATA

MIXING DIRECTIONS
Stir thoroughly before and occasionally during use.

THINNING
N/A

POT LIFE
N/A

RECOMMENDED WET FILM BUILD
Spray Application: 4.3 – 5.7 mils

RECOMMENDED DRY FILM BUILD
1.5 - 2.0 mils

Film in excess or below these recommended film builds may cause problems such as, adhesion failure, pigment floatation, solvent popping, slow cure, and accelerated gloss and color failure.

APPLICATION EQUIPMENT
Conventional Spray: 20-60 psi at the gun.
Airless: 1400 – 2000 psi Tip: .009" - .015"
Air Assisted: 850-psi min. at the tip, 30-60 psi.
Tip: .009" - .015"

DRYING TIME
77°F (25°C) and 50% relative humidity.

To Touch:	20 minutes
To Handle:	1 - 2 hours *
Dry:	16 hours**
Recoat:	16 hours
Force Dry:	N/A

* This condition does not mean that the paint film has reached full cure. It is a stage where handling can be achieved without loosening, wrinkling or otherwise marring the film under minimal pressure from fingers or hands. Drying time listed may vary, depending upon film build, color selection, temperature, humidity and degree of air movement.

** Paint film is not fully cured for 7 days.

Application of film thickness in excess of that recommended for this product will substantially extend dry time lengthen the recoat window.

RECOMMENDED SPREADING RATE
325 sq. ft. at 1.0 mil dry film per U.S. gallon. Coverage figures do not include losses due to mixing, transfer or application of coating or losses due to surface irregularities or porosity.

CLEAN UP
Toluene or Xylene

APPLICATION PRECAUTIONS AND LIMITATIONS
Apply only when air, product or surface temperature is above 50°F (10°C) and when surface temperature is at least 5°F (3°C) above the dew point. Apply in dry weather when relative humidity is less than 85%.

Brush and roller application is not recommended.

To the best of our knowledge, the technical information in this bulletin is accurate; however, since PPG Industries, Inc. is constantly improving its coatings and paint formulas, the current technical data may vary somewhat from what was available when this bulletin was printed. Contact your PPG Distributor for the most up-to-date information

SAFETY

These materials are designed for application only by professional, trained personnel, using proper equipment under controlled conditions and are not intended for sale to the general public.
Safe application of paints and coatings requires knowledge of equipment materials and individual training. Directions and precautionary information on both equipment and products should be carefully read and strictly observed for personal safety and property protection. Consideration must be given to eliminate conditions, which may generate hazardous atmospheres during spray application or subject operators or bystanders to injury or illness. Special precautions must be taken when utilizing spray equipment, particularly airless equipment. High-pressure injection of coatings into the skin by airless equipment may cause serious injury requiring immediate medical attention at a hospital. Treatment advice may also be obtained from Poison Centers. Air quality should be maintained with adequate ventilation; applicators can achieve additional protection by wearing respirators and other protective garments such as gloves and overalls. In all cases, wear protective eye equipment. During the application of all coatings materials, all flames, welding and smoking must be prohibited. Explosion proof equipment must be used when coating these materials in confined areas.

PRECAUTIONARY INFORMATION
Before using the products listed herein, carefully read each product label and follow directions for its use. Please read and observe all warnings and precautionary information on all product labels. Prevent all contact with skin and eyes and breathing of vapors and spray mist. Repeated inhalation of high vapor concentrations may cause a series of progressive effects including irritation of the respiratory system, permanent brain and nervous system damage and possible unconsciousness and death in poorly ventilated areas. Eye watering, headaches, nausea, dizziness and loss of coordination are indications that solvent levels are too high. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.
KEEP OUT OF THE REACH OF CHILDREN

MEDICAL RESPONSE
Emergency Medical or Spill Control Information (304) 843-1300. CANADA (514) 645 - 1320 Have label information available.

MATERIAL SAFETY DATA SHEET
Material Safety Data Sheets for the PPG products mentioned in this publication are available through your PPG Distributor.
FOR ADDITIONAL INFORMATION REGARDING THIS PRODUCT, SEE THE MSDS AND LABEL INFORMATION.

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Commercial Coatings
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