

# HPC URETHANE ALKYD SG 4336H

## DESCRIPTION

One-component urethane alkyd semi-gloss enamel

## PRINCIPAL CHARACTERISTICS

- Ideal for use as a protective maintenance, rust inhibitive coating
- May be applied to metal surfaces, as well as masonry, wood, and wallboard
- Durable semi-gloss finish
- Fast drying properties
- Good abrasion resistance
- Protects against atmospheric corrosion
- Can be applied direct to metal
- Interior or Exterior Usage

## COLOR AND GLOSS LEVEL

- White and custom colors
- Semi-gloss

## BASIC DATA AT 68°F (20°C)

Data for product	
Number of components	One
Volume solids	50 ± 2%
VOC (Supplied)	max. 2.7 lb/US gal (approx. 328 g/l)
Recommended dry film thickness	2.0 - 2.5 mils (50 - 64 µm) depending on system
Theoretical spreading rate	352 ft <sup>2</sup> /US gal for 2.2 mils (8.8 m <sup>2</sup> /l for 57 µm)
Shelf life	At least 12 months when stored cool and dry

### Notes:

- See ADDITIONAL DATA - Overcoating intervals
- See ADDITIONAL DATA - Curing time

## RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

### Steel

- Remove all rust, dirt, moisture, grease or other contaminants from the surface
- Coating performance is, in general, proportional to the degree of surface preparation
- Abrasive blast cleaning to SSPC SP-6 standards will give optimum performance
- Where abrasive blasting is not practical, power tool cleaning in accordance with SSPC SP-3 or hand tool cleaning to SSPC SP-2 requirements is acceptable
- If a higher level of corrosion resistance is required, prime with recommended primers



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## **Galvanizing**

- Degrease to SSPC SP-1 and remove any white zinc corrosion products by hand abrasion cleaning
  - Prime with this product or MULTIPRIME 4360
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## **Previously painted surfaces**

- Poorly adhering old coatings should be removed
  - Wash to remove contaminants
  - Rinse thoroughly with water and allow to dry
  - Dull glossy areas by light sanding
  - Remove all debris
  - Prime bare areas with primer specified under new surfaces
  - Surfaces in good condition generally may be done with one coat of this product
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## **Dry wall**

- Prime with Glidden Professional Gripper 3210 primer sealer
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## **Concrete, Plaster and Masonry**

- Concrete must be cured at least 30 days with a pH of 10 or lower
  - Prepare surface as per SSPC-SP13 guidelines
  - Remove loose aggregate
  - Rinse thoroughly with water and allow to dry
  - Interior-prime with this product or Glidden Professional Gripper 3210 Primer Sealer
  - Exterior, prime with Glidden Professional Hydrosealer 6001
  - Fill concrete block with BLOXFIL 4000
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## **Wood**

- Interior-prime with Glidden Professional 1120
  - Exterior-spot prime knots with Glidden Professional House 2000 primer, prime entire surface with Glidden Professional 2110
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## **Substrate temperature and application conditions**

- Surface temperature during application should be between 39°F (4°C) and 120°F (49°C)
  - Surface temperature during application should be at least 5°F (3°C) above dew point
  - Ambient temperature during application and curing should be between 39°F (4°C) and 100°F (38°C)
  - Relative humidity during application should be above 0% and below 85%
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## **Warning**

Removal of old paint by sanding, scraping or other means may generate dust or fumes which contain lead. EXPOSURE TO LEAD DUST OR FUMES MAY CAUSE 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 and approved (e.g., NIOSH approved) respirator and proper containment and cleanup. For additional information, contact the USEPA/Lead Information Hotline at 1-800-424-LEAD or the regional Health Canada office

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## SYSTEM SPECIFICATION

- Primers: FAST DRY 4180, FAST DRY 4190, or MULTIPRIME 4360
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## INSTRUCTIONS FOR USE

- Inspect the top surface and remove any "skins" that may have formed on top
  - Agitate with a power mixer for 1 – 2 minutes until completely dispersed. Ensure good off-bottom mixing
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### Application

- Area should be sheltered from airborne particulates and pollutants
- Ensure good ventilation during application and curing
- Provide shelter to prevent wind from affecting spray patterns

### **Material temperature**

Material temperature during application should be between 39°F (4°C) and 90°F (32°C)

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### **Air spray**

- Separate air and fluid pressure regulators and a moisture and oil trap in the main air supply line are recommended.

### **Recommended thinner**

No thinner should be added

### **Nozzle orifice**

Approx. 0.070 in (1.8 mm)

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### **Airless spray**

- 30:1 pump or larger
- Adjust pump pressure as needed

### **Recommended thinner**

No thinner should be added

### **Nozzle orifice**

0.013 – 0.015 in (approx. 0.33 – 0.38 mm)

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### **Brush/roller**

- Use a high quality natural bristle brush and/or solvent resistant, 3/8" nap roller. Ensure brush/roller is well loaded to avoid air entrainment. Multiple coats may be necessary to achieve adequate film-build

### **Recommended thinner**

No thinner should be added

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## Cleaning solvent

Mineral spirits or VM&P Naphtha

## ADDITIONAL DATA

### Measuring wet film thickness

- A practical recommendation is to apply a WFT, which is equal to the specified DFT plus 60 µm (2.4 mils)

Overcoating interval for DFT up to 1.6 mils (40 µm)		
Overcoating with...	Interval	77°F (25°C)
itself	Minimum	24 hours
	Maximum	Extended

#### Notes:

- Overcoating times valid for a relative humidity of 50%
- Drying times may vary depending on temperature, humidity, and air movement

Curing time for DFT up to 1.6 mils (40 µm)		
Substrate temperature	Dry to touch	Dry hard
77°F (25°C)	1 hour	6 hours

Note: Curing times valid for a relative humidity of 50%

## Product Qualifications

- MPI Category #81, Quick Dry Enamel, Semi-gloss

## DISCLAIMER

- For professional use only. Not for household use

## SAFETY PRECAUTIONS

- For paint and recommended thinners see INFORMATION SHEETS 1430, 1431 and relevant Material Safety Data Sheets

## 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](http://www.pittsburghpaints.com), Spontaneous Combustion Advisory for additional information



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## WORLDWIDE AVAILABILITY

It is always the aim of PPG Protective and Marine Coatings to supply the same product on a worldwide basis. However, slight modification of the product is sometimes necessary to comply with local or national rules/circumstances. Under these circumstances an alternative product data sheet is used.

## REFERENCES

• CONVERSION TABLES	INFORMATION SHEET	1410
• EXPLANATION TO PRODUCT DATA SHEETS	INFORMATION SHEET	1411
• SAFETY INDICATIONS	INFORMATION SHEET	1430
• SAFETY IN CONFINED SPACES AND HEALTH SAFETY, EXPLOSION HAZARD – TOXIC HAZARD	INFORMATION SHEET	1431

## WARRANTY

PPG warrants (i) its title to the product, (ii) that the quality of the product conforms to PPG's specifications for such product in effect at the time of manufacture and (iii) that the product shall be delivered free of the rightful claim of any third person for infringement of any U.S. patent covering the product. THESE ARE THE ONLY WARRANTIES THAT PPG MAKES AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES, UNDER STATUTE OR ARISING OTHERWISE IN LAW, FROM A COURSE OF DEALING OR USAGE OF TRADE, INCLUDING WITHOUT LIMITATION, ANY OTHER WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR USE, ARE DISCLAIMED BY PPG. Any claim under this warranty must be made by Buyer to PPG in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life of the product, or one year from the date of the delivery of the product to the Buyer, whichever is earlier. Buyer's failure to notify PPG of such non-conformance as required herein shall bar Buyer from recovery under this warranty.

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## AVAILABILITY

### Packaging

1-gallon and 5-gallon kits

