

# HPC INDUSTRIAL ALKYD 4308H

## DESCRIPTION

Quality urethane modified low VOC alkyd gloss enamel

## PRINCIPAL CHARACTERISTICS

- Interior / exterior, gloss enamel
- Protects against atmospheric corrosion
- Ideal for safety equipment and pipe identification
- Good abrasion resistance
- Washable and scrubbable
- Excellent resistance to grease, oil, and water
- Can be used directly to metal
- Excellent flow and levelling properties
- Ease of application, brush, roll, or spray
- High hiding

## COLOR AND GLOSS LEVEL

- White, custom and ready-mix colors
- Gloss

## BASIC DATA AT 68°F (20°C)

Data for product	
Number of components	One
Volume solids	48 ± 2%
VOC (Supplied)	max. 2.8 lb/US gal (approx. 332 g/l)
Recommended dry film thickness	2.0 - 2.5 mils (50 - 64 µm) depending on system
Theoretical spreading rate	338 ft <sup>2</sup> /US gal for 2.3 mils (9.0 m <sup>2</sup> /l for 58 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

- Coating performance is, in general, proportional to the degree of surface preparation
- Alkyd or oil based enamels may yellow over time in low light environments, especially sunlight



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## **Steel**

- Remove all rust, dirt, moisture, grease or other contaminants from the surface
  - Remove all loose paint, mortar splatter, mill scale, and rust
  - Prime with this product, FAST DRY 4190, or MULTIPRIME 4360
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## **Galvanized and aluminum**

- Degrease to SSPC SP-1 and remove any white corrosion products by hand abrasion
  - Ensure the surface is clean, dry, and free of deleterious matter prior to the application
  - Prime with this product or MULTIPRIME 4360
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## **Concrete, Plaster and Masonry**

- Cure at least 30 days before painting
  - pH must be 10.0 or lower
  - Roughen slick poured or pre-cast concrete and remove sealers by chemical cleaning or abrasive blasting
  - Rinse thoroughly with water and allow to dry
  - Remove loose aggregate
  - Prime interior concrete or plaster with this product
  - Prime exterior masonry with 4-603
  - Fill concrete block with BLOXFIL 4000
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## **Previously painted surfaces**

- Wash to remove contaminants
  - Rinse thoroughly with water and allow to dry
  - Sanding is not required if the surface is properly and thoroughly cleaned (scuff sanding is required only on glossy, hard, slick, or dense surfaces which are subject to high levels of moisture)
  - Remove loose paint
  - Scrub heavily chalked exterior areas and overhead areas such as eaves with soap and water
  - All existing mildew must be removed by washing with a solution of 16 oz (473 ml) liquid household bleach and 2 oz (59 ml) non-ammoniated liquid detergent per gallon (3.785 L) of water. Rinse surfaces clean with water and allow to dry for 24 hours
  - Prime with a recommended primer
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## **Atmospheric exposure conditions**

### **Substrate temperature and application conditions**

- Surface temperature during application should be between 40°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 50°F (10°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**

0.013" (0.33 mm)

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## **Airless spray**

- 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

## **Cleaning solvent**

Mineral spirits or VM&P Naphtha

## **ADDITIONAL DATA**

Overcoating interval for DFT up to 2.0 mils (51 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**

- Performance alternate for TT-E-489H, TT-P-61E, TT-E-506K, TT-E-505A

## **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



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## 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

## 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

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