

## P99 Wash Primer

### Product Description

P99 is a two pack chromated wash primer designed for the protection of aircraft exteriors.

- Ambient curing wash primer
- Designed to provide high resistance to filiform corrosion
- Excellent adhesion to polyurethane primers
- Excellent adhesion to a variety of light alloys and steel

### Components



#### Mix Ratio (by volume)

- |                                |              |
|--------------------------------|--------------|
| • 7641/3600 (Base)             | 1 part       |
| • 0841/9000 (Reactive Thinner) | 1 part       |
| • 0434/9000 (Thinner)          | to viscosity |

### Specifications



P99 is qualified to:

- |                  |                              |
|------------------|------------------------------|
| • AIMS 04-04-012 | • BLGG 140001                |
| • AIMS 04-04-026 | • DGQT 1.7.0.0143            |
| • AIMS 04-04-054 | • MDL 5038                   |
| • AIMS 04-04-077 | • TN A.007.10113             |
| • AIMS 04-04-078 | • 741.140/21-00-00-0039-0704 |
| • AMS 3095       |                              |

#### Product Compatibility

P99 is compatible with the following primer specifications:

- AIMS 04-04-001
- AIMS 04-04-002
- AIMS 04-04-038

*Note: PPG Aerospace recommends you check the most recent specification QPLs for updated information.*

# P99 Wash Primer

## Surface Preparation and Pretreatment



P99 should **NOT** be applied over fresh (< 7 days) chromate conversion coatings. Ensure that the correct surface pre-treatment has been carried out. Ensure the surface is clean, dry and intact using a high performance solvent cleaner - Desoto® CN20 or Desoclean™ 45 solvent cleaners are recommended.

## Instructions for Use



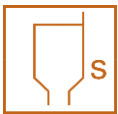
Hand stir or mechanically shake the base material until all the components are uniformly dispersed. Add reactive thinner to base material and mix thoroughly. Add thinner to the recommended viscosity (typically 0.1 to 0.3 volume)

*Note: All products and components should be placed in ambient conditions of 15 - 30°C (59 - 86°F) for at least 24 hours prior to mixing and application.*



### **Induction Time:**

Not applicable



### **Viscosity:** (21 - 25°C/70 - 77°F)

• AFNOR2.5	50 - 60 seconds
• AFNOR4	16 -18 seconds
• BSB3	26 - 32 seconds
• DIN4	13 - 15 seconds
• FORD4	15 - 17 seconds
• ISO3	52 - 67 seconds
• ISO4	15 - 25 seconds
• ZAHN2	20 - 21 seconds

*Note: Viscosities quoted are typical ranges obtained when using specified mix ratio.*



### **Pot Life:**

8 hours @ 21 - 25°C (70-77°F)

# P99 Wash Primer

## Application Guidelines

### Recommended Application Conditions:

Temperature	15 - 30°C (59 - 86°F)
Relative Humidity	30 - 75%

### Application:

Apply 1 wet even coat to achieve a dry film thickness of 4 - 8  $\mu\text{m}$  (0.16 - 0.32 mil)

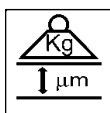


### Theoretical Coverage: (unthinned)

15 m<sup>2</sup>/Lt @ 6  $\mu\text{m}$  dry film thickness  
600 ft<sup>2</sup>/US gal @ 0.24 mil dry film thickness

### Recommended Dry Film Thickness:

4 - 8  $\mu\text{m}$   
0.16 - 0.32 (mil)



### Dry Film Density:

1.63 g/cm<sup>3</sup>  
13.6 lbs/US gal

### Dry Film Weight:

10 g/m<sup>2</sup> @ 6  $\mu\text{m}$  dry film thickness  
0.002 lbs/ft<sup>2</sup> @ 0.24 mil dry film thickness

*Note: These application guidelines represent PPG's best advice for usage in standard conditions. Some parameters will be influenced by environmental conditions, equipment settings, and other variables.*

# P99 Wash Primer

## Equipment:

P99 is compatible with most types of current spray equipment but is **NOT** suitable for application with electrostatic spray equipment. Careful attention should be paid when using the Graco Pro range of spray guns to ensure the electrostatic is switched off.



Equipment	Tip Size	Fluid Rate	Air Pressure
Airmix Kremlin	Ø = 0.28 mm - Angle 60° Ref:06.134	320 to 360 ml/min	725 to 870 psi (50 to 60 bar)
HVLP	1.2 mm		22 to 29 psi (1.5 to 2 bar)
Conventional	1.5 mm		43 to 58 psi (3 to 4 bar)
Airless	NOT RECOMMENDED		
Airless, Air-assisted	609 to 611	approx. 360 to 400 ml/min	58 to 73 psi (4 to 5 bar)
PRO3500 or PROXS4	1.2 or 1.5mm	approx. 360 to 400 ml/min	72 to 87 psi (5 to 6 bar)

## Equipment Cleaning:

Clean spray equipment before use and as soon as possible after use. DeSoto® CN20, CN44 or Desoclean™ 45 solvent cleaner are recommended.

## Physical Properties



### Colour:

Yellow



### Gloss:

Not applicable



DRYING TIMES	23°C(73°F) @ 50% RH
Dust Free	20 minutes
Dry to Tape	90 minutes
Dry to Sand	90 minutes
Dry to Overcoat	1 to 24 hours
Full Cure	7 days

### Force Dry:

Not applicable

*Note: Drying times listed above are dependent upon film thickness applied, air flow conditions and application technique.*

# P99 Wash Primer



## VOC: (ASTM)

Mixed ready for use (unthinned)	755 g/Lt
7641/3600 Base Component	690 g/Lt
0841/9000 Reactive Thinner	820 g/Lt
0434/9000 Thinner	880 g/Lt



## Flash Point:

7641/3600 Base Component	13°C (54°F)
0841/9000 Reactive Thinner	13°C (54°F)
0434/9000 Thinner	18°C (64°F)

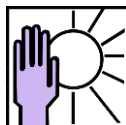
## Shelf Life:

7641/3600 Base Component	24 months in original unopened container
0841/9000 Reactive Thinner	24 months in original unopened container
0434/9000 Thinner	10 years in original unopened container

*Note: Shelf life may vary due to OEM specification requirements. Refer to container label for specific shelf life information.*

*Note: The application and performance property values above are typical for the material, but not intended for use in specifications or for acceptance inspection criteria because of variations in testing methods, conditions and configurations.*

## Storage Recommendations



Inspect the condition of the container to ensure compliance. The material should be stored at temperatures between 5°C to 35°C (41°F to 95°F) to ensure shelf life.

*Note: When procuring to a qualified material specification, follow those storage instructions.*

# P99 Wash Primer

## Health Precautions

This product is safe to use and apply when recommended precautions are followed. Before using this product, read and understand the Safety Data Sheet (SDS), which provides information on health, physical and environmental hazards, handling precautions and first aid recommendations. An SDS is available on request. Avoid overexposure. Obtain medical care in case of extreme overexposure.

**For industrial use only. Keep away from children.**

**Additional information can be found at: [www.ppgaerospace.com](http://www.ppgaerospace.com)**

**For sales and ordering information call the local PPG office at the numbers listed below:**

### **Asia Pacific**

**ASC – Australia**  
Tel 61 (3) 9335 1557  
Fax 61 (3) 9335 3490

**ASC – Japan**  
Tel 81 561 35 5200  
Fax 81 561 35 5201

**ASC – South East Asia**  
Tel 65 6861 1119  
Fax 65 6861 6162

**ASC – Suzhou**  
Tel (86-512) 6661 5858  
Fax (86-512) 6661 6868

**ASC – Tianjin**  
Tel (86-022) 2482 8625  
Fax (86-022) 2482 8600

### **Europe and Middle East**

**ASC – Central Europe**  
Tel 49 (40) 742 193 10  
Fax 49 (40) 742 139 69

**ASC – Middle East & India**  
Tel (971) 4 883 9666  
Fax (971) 4 883 9665

**ASC – North Europe**  
Tel 44 (0) 1388 770222  
Fax 44 (0) 1388 770288

**ASC - South Europe**  
Tel 33 (0) 235 53 43 71  
Fax 33 (0) 235 53 54 44

### **Americas**

1 (818) 362-6711 or 1-800-AEROMIX

**Desoclean and DeSoto are trademarks of PRC-DeSoto International, Inc.**

All recommendations, statements, and technical data contained herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. User shall rely on his own information and tests to determine suitability of the product for the intended use and assumes all risks and liability resulting from his use of the product. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss, or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements other than those contained in a written agreement signed by an officer of the manufacturer shall not be binding upon the manufacturer or seller.

*This document has been reviewed by the PPG Aerospace Export Control Department and has been determined to contain only EAR99 controlled data*

PPG Aerospace  
Sealants and Coatings  
Darlington Road  
Sildon, Co Durham UK  
DL4 2QP

[www.ppgaerospace.com](http://www.ppgaerospace.com)

Issue Date: 02/24  
Lit: 4281