

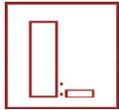
## 6050/9000 Adhesive Dope E4040

### Product Description

6050/9000 is a single component, nitrocellulose adhesive used to impregnate wooden airframes prior to fitting of canvas.

- Excellent flexibility
- Applied to wooden airframes
- Moisture and UV resistant

### Components



#### Mix Ratio (by volume)

|           | <u>PPG Reference</u> | <u>Diatex Reference</u> | <u>Volume</u>     |
|-----------|----------------------|-------------------------|-------------------|
| • BASE    | 6050/9000            | E4040                   | 1 part            |
| • THINNER | 0490/9000            | E4999                   | 0.25 to 0.5 parts |

### Specifications



6050/9000 is qualified to:

- AIR 8102

#### Product Compatibility

6050/9000 is compatible with the following topcoat specifications:

- AIMS 04-04-003
- AIMS 04-04-012
- AIR 8102
- ASNA 4247
- ASNA 3626
- BLGG 140301

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

### Surface Preparation and Pretreatment



Product can be applied directly to wood. Ensure the surface is clean dry and intact prior to application.

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## Instructions for Use



Stir the base component to ensure components are uniformly dispersed. Add thinner to base while stirring continuously.

*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:**

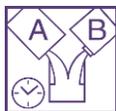
Not required



### **Viscosity:** ( 28°C/82°F)

- AFNOR4 130 - 174 seconds

*Note: Viscosity quoted is for **UNTHINNED** product.*



### **Pot Life:**

Not applicable

## Application Guidelines

### **Recommended Application Conditions:**

|                   |                       |
|-------------------|-----------------------|
| Temperature       | 15 - 30°C (59 - 86°F) |
| Relative Humidity | 30 - 80%              |

### **Application:**

- Brush Apply 2-3 cross coats of unthinned product directly onto wooden airframe - allow to air dry 1 hour between coats
- Position canvas over airframe and brush apply 1 coat of product, thinned with 0.5 volumes thinner, directly onto canvas - allow to air dry 1 hour
- Apply final cross coat to canvas with 0.25 - 0.30 volumes thinner
- Allow to air dry minimum of 1 hour



### **Theoretical Coverage:** (ready for use)

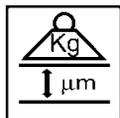
8 m<sup>2</sup> /Lt @ 20 µm dry film thickness  
320 ft/US gal @ 0.8 mil dry film thickness

### **Recommended Dry Film Thickness:**

20 µm  
0.8 (mil)

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## Dry Film Density:

1.15 g/cm<sup>3</sup>  
9.65 lbs./US gal

## Dry Film Weight:

23 g/m<sup>2</sup> @ 20 µm dry film thickness  
0.004 lbs/ft<sup>2</sup> @ 0.8 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.*



## Equipment:

Applicable by brush

## Equipment Cleaning:

DeSoto<sup>®</sup> CN20, CN44 or Desoclean<sup>™</sup> 45 solvent cleaners are recommended. Product is insoluble in solvents after it has cured. For this reason, clean equipment as soon as possible after the coating has been applied and always before the material has cured.

## Physical Properties



### Colour:

Colourless



### Gloss:

Not Applicable

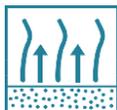


| DRYING TIMES @<br>50% R.H | 23°C (73°F) |
|---------------------------|-------------|
| Hard Dry                  | 1 hour      |
| Dry to Overcoat           | 1 hour      |
| Accelerated Cure          | N/A         |

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

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**Flash Off Time:**

Not Applicable

**VOC: (ASTM)**

|                          |          |
|--------------------------|----------|
| Mixed ready for use      | 725 g/Lt |
| 6050/9000 Base Component | 680 g/Lt |
| 0490/9000 Thinner        | 950 g/Lt |

**Flash Point:**

|                          |            |
|--------------------------|------------|
| 6050/9000 Base Component | 6°C (43°F) |
| 0490/9000 Thinner        | 4°C (39°F) |

**Shelf Life:**

|                          |  |
|--------------------------|--|
| 6050/9000 Base Component | 24 months in original unopened container |
| 0490/9000 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.*

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## 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)**

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# 6050/9000