

## 5495/7006 PU66 8H PU Topcoat Semi-Gloss

### Product Description

5495/7006 is a two component polyurethane semi-gloss topcoat of the PU66 range, designed for application to composite materials to improve fire resistance.

- Excellent flexibility
- Fire Retardant
- Excellent Fluid Resistance including Skydrol™ Hydraulic Fluid

### Components



#### Mix Ratio (by volume)

- 5495/7006 (Base) 1 part
- 0730/9000 (Activator) 1 part
- 0491/9000 (Thinner) to viscosity (refer to viscosity section of this document)

### Specifications



5495/7006 is qualified to:

- PPG Standard

#### Product Compatibility

5495/7006 is compatible with the following primer/surfacer specifications ;

- AIMS 04-04-002
- ASNA 4251
- BLGG 900101
- MDL 5045
- WL 5.7140

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

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## Surface Preparation and Pretreatment



Ensure surface is clean, dry and intact using a high performance solvent cleaner. DeSoto® CN44 or Desoclean™ 45 solvent cleaners are recommended. Observe recommended over coating windows for primers. For further information refer to the technical data sheet for the relevant primers.

## Instructions for Use



Base component may require mechanical agitation. Ensure all components are adequately dispersed. Before adding the activator to the base, thoroughly stir or shake the base component until a smooth uniform mix is obtained. Slowly add activator

to base while stirring, then add required thinner while stirring.

*Note: All products and components should be placed in ambient conditions of 15-35°C (59-95°F) for at least 24 hours prior to mixing and application.*



### **Induction Time:**

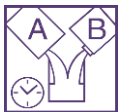
Not required



### **Viscosity:** ( 23°C/73°F)

- |             |                 |
|-------------|-----------------|
| • AFNOR 2.5 | 48 - 61 seconds |
| • BSB3      | 28 - 32 seconds |
| • ISO3      | 41 - 59 seconds |

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



### **Pot Life:**

4 hours @ 21 - 25°C (70 - 77°F)

## Application Guidelines

### **Recommended Application Conditions:**

Temperature	15 - 35°C (59 - 95°F)
Relative Humidity	30 - 85%

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## Application:

Apply 2 cross coats to achieve the recommended dry film thickness.



## Theoretical Coverage: (unthinned)

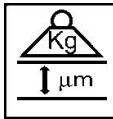
9m<sup>2</sup>/Lt @ 40 µm dry film thickness

360 ft<sup>2</sup>/US gal @ 1.6 mil dry film thickness

## Recommended Dry Film Thickness:

35 – 40 µm

1.4 – 1.6 mil



## Dry Film Density: (unthinned)

1.35 g/cm<sup>3</sup> (depending on colour)

11.29 lbs/US gal

## Dry Film Weight:

54 g/m<sup>2</sup> @ 40 µm dry film thickness

0.011 lbs/ft<sup>2</sup> @ 1.6 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:



Equipment Type	Tip Size (mm)	Pressure
Conventional Air Spray gun	1.2 to 1.5 mm	43 to 72 psi (3 to 5 bar)
Low Pressure Spray gun	1.2 to 1.5 mm	29 to 43 psi (2 to 3 bar)



## Equipment Cleaning:

Clean spray equipment before use and as soon as possible after use. DeSoto<sup>®</sup> CN20, CN44 or Desoclean<sup>™</sup> 45 solvent cleaners are recommended.

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## Physical Properties

**Colour:**

Aluminium

**Gloss:**

Not applicable



DRYING TIMES @ 50 % R.H	23°C (73°F)
Dust Free	1.5 hours to 2 hours
Dry to Handle	4 to 5 hours
Dry to Tape	6 to 8 hours
Overcoat	1 hour minimum 72 hours maximum
Full Cure	7 days

**Force Dry:**1st Coat

Flash off 30 minutes

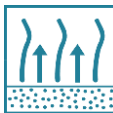
Force dry 15 minutes @ 60°C (140°F)

Final Coat

Flash off 30 minutes

Force dry 1 hour @ 80°C(176°F)

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

**Flash Off Time:**

30 minutes

**VOC: (ASTM)**

Mixed ready for use (unthinned)	580 g/Lt
5495/7006 Base Component	450 g/Lt
0730/9000 Activator	705 g/Lt
0491/9000 Thinner	840 g/Lt

**Flash Point:**

5495/7006 Base Component	28°C (82°F)
0730/9000 Activator	13°C (55°F)
0491/9000 Thinner	-3°C (27°F)

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## Shelf Life:

5495/7006 Base Component	24 months in original unopened container
0730/9000 Activator	24 months in original unopened container
0491/9000 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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Fax 81 561 35 5201

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

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PPG Aerospace  
Sealants and Coatings  
Darlington Road  
Shildon, Co Durham  
UK DL4 2QP  
[www.ppgaerospace.com](http://www.ppgaerospace.com)  
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