

## 5413/.... PU66 8H PU Non Slip Topcoat

### Product Description

5413 is a two component, flexible polyurethane topcoat, applied to alloys and laminates to provide a non-slip finish for access floors and emergency exit areas on the wing.

- Conventional solids
- Outstanding UV resistance and long term durability
- Fluid resistant
- Non-slip finish

### Components



#### **Mix Ratio (by volume)**

- |                         |              |
|-------------------------|--------------|
| • 5413/.... (Base)      | 1 part       |
| • 0730/9000 (Activator) | 1 part       |
| • 0491/9000 (Thinner)   | as necessary |

### Specifications



5413 is qualified to:

- PPG Standard

#### **Product Compatibility**

5413 is compatible with primer/filler/topcoats to the following specifications:

- |                  |                  |
|------------------|------------------|
| • AIMS 04-04-002 | • AIMS 04-04-036 |
| • AIMS 04-04-003 | • AIMS 04-04-077 |
| • AIMS 04-04-012 | • AIMS 04-04-078 |
| • AIMS 04-04-031 | • BLGG 900101    |
| • AIMS 04-04-026 |                  |
| • AIMS 04-04-034 |                  |

*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® CN20 or Desoclean™ 45 solvent cleaners are recommended. Observe recommended overcoat window from relevant primer, filler or topcoat.

## Instructions for Use



Base 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	45 - 55 seconds
• AFNOR4	15 - 16 seconds
• BSB3	26 - 29 seconds
• BSB4	15 - 17 seconds
• FORD4	12 - 14 seconds
• ISO3	37 - 49 seconds
• ISO4	18 - 21 seconds
• ZAHN2	16 - 19 seconds

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



### **Pot Life:**

3 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, allowing 30 minutes between coats to achieve recommended dry film thickness 80 - 150  $\mu\text{m}$ .

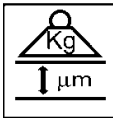


## Theoretical Coverage: (mixed, unthinned)

3 - 4  $\text{m}^2/\text{Lt}$  @ 115  $\mu\text{m}$  dry film thickness  
120 - 160  $\text{ft}^2/\text{US gal}$  @ 4.6 mil dry film thickness

## Recommended Dry Film Thickness:

80 - 150  $\mu\text{m}$   
3.2 - 6 mil



## Dry Film Density:

1.6 - 2.0  $\text{g}/\text{cm}^3$  (depending on colour)  
13.3 - 16.6  $\text{lbs}/\text{US gal}$

## Dry Film Weight:

184 - 230  $\text{g}/\text{m}^2$  @ 115  $\mu\text{m}$  dry film thickness  
0.037 - 0.046  $\text{lbs}/\text{ft}^2$  @ 4.6 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	Pressure
Pneumatic Application	15 or 18/10mm	44 to 73 psi (3 to 5 bar)

5413 can also be applied by brush or roller

## Equipment Cleaning:

Before and after use, flush equipment with solvent cleaner. DeSoto<sup>®</sup> CN20, CN44 or Desoclean<sup>™</sup> 45 solvent cleaners are recommended.

## Physical Properties



## Colour:

Available in a limited colour range

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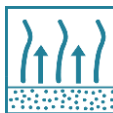
## Gloss:

<10 units with a 60° gloss meter



Drying Times 50% Relative Humidity	23°C (73°F)	60°C (140°F)
Dust Free	1.5 hours	
Dry to Handle	3 to 4 hours	30 minutes
Dry to Tape	8 hours	
Dry to Overcoat	1 hour (min.) 72 hours (max.)	
Full Cure	7 to 9 days	3 hours

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



## Flash Off Time:

15 - 30 minutes when force drying



## VOC: (ASTM) (unthinned)

Mixed ready for use	605 g/Lt
5413/.... Base Component	480 g/Lt
0730/9000 Activator	730 g/Lt
0491/9000 Thinner	840 g/Lt



## Flash Point:

5413/.... Base Component	4°C (39°F)
0730/9000 Activator	13°C (55°F)
0491/9000 Thinner	-3°C (27°F)

## Shelf Life:

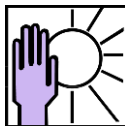
5413/.... Base Component	24 months in original unopened container
0730/9000 Activator	24 months in original unopened container
0491/9000 Thinner	10 years in original unopened container

*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.*

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## 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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