

## FP34 PU Non Slip IRR Topcoat

### Product Description

FP34 is a two pack, cold curing polyurethane coating designed to give maximum slip resistance for footwear on sloping surfaces of armoured fighting vehicles.

- Excellent Durability & Flexibility
- Slip Resistant
- High Solids, Low VOC
- Available in IRR quality

### Components

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

- |                     |         |
|---------------------|---------|
| • FP34 (Base)       | 6 parts |
| • ACT34 (Activator) | 1 part  |

### Specifications

FP34 is qualified to:

- Def Stan 80-213

#### **Product Compatibility**

FP34 is compatible with the following topcoat specification:

- Def Stan 80-225

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

### Surface Preparation and Pretreatment

Ensure surface is clean, dry and intact, using a high performance cleaner, DeSoto® CN20 or Desoclean™ 45 solvent cleaner are recommended.

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## Instructions for Use

Thoroughly stir base to ensure all components are adequately dispersed, add activator while stirring. No thinner required.

*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:** (23°C/73°F)

Not applicable

### **Pot Life:**

6 hours @ 21 - 25°C (70 - 77°F)

## Application Guidelines

### **Recommended Application Conditions:**

Temperature	15 - 35°C (59 - 95°F)
Relative Humidity	30 - 80%

### **Application:**

Apply 1 to 2 cross coats to achieve the required dry film thickness

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

5.35 m<sup>2</sup>/Lt @ 125 µm dry film thickness  
214 ft<sup>2</sup>/US gal @ 5 mil dry film thickness

### **Recommended Dry Film Weight:**

345-355 gm<sup>2</sup> per coat  
0.070-0.072 lbs/ft<sup>2</sup> per coat

### **Dry Film Density:**

2.8 g/cm<sup>3</sup> (white)  
23.2 lbs/US gal

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## Dry Film Weight:

300 - 400 g/m<sup>2</sup> @ 125 µm dry film thickness

0.061 - 0.082 lbs/ft<sup>2</sup> @ 5 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	Tip Size(mm)	Pressure
Conventional Air Spray	2 to 3	43 to 57 psi (3 to 4 bar)
HVLP Air Spray	2 to 3	29 to 43 psi (2 to 3 bar)

FP34 can also be brush applied to small areas.

## Equipment Cleaning:

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

## Physical Properties

### Colour:

NATO green (FP34/285)

Desert sand (FP34/380)

White (FP34/802)

### Gloss:

< 5 units with a 60° gloss meter

Drying Times @ 50% R.H.	23°C (73°F)
Dry to overcoat	6 hours (min.) 48 hours (max.)
Hard Dry	6 hours
Full Cure	7 days

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

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**Flash Off Time:**

N/A

**VOC: (ASTM)**

Mixed ready for use	315 g/Lt
FP34 Base Component	320 g/Lt
ACT34 Activator	270 g/Lt

**Flash Point:**

FP34 Base Component	42°C (108°F)
ACT34	25°C (77°F)

**Shelf Life:**

FP34 Base Component	24 months in original unopened container
ACT34 Activator	24 months 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)**

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

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

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