

CV242 Clear Gloss Varnish

TECHNICAL DATA SHEET

Product Description

CV242 is a two pack acrylic gloss varnish designed to provide UV protection to fluorescent paint systems.

- Excellent UV resistance
- Excellent colour and gloss retention
- High level of chemical resistance

Components



Mix Ratio (by volume)

- | | |
|---------------------|--------------|
| • CV242 (Base) | 3 parts |
| • ACT34 (Activator) | 1 part |
| • T4 (Thinner) | to viscosity |

Specifications



CV242 is qualified to:

- Def Stan 80-164

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 solvent cleaner. DeSoto® CN20 or Desoclean™ 45 solvent cleaners are recommended. Observe recommended overcoating windows.

Instructions for Use



Thoroughly stir or shake the base component until a smooth uniform mix is obtained. Add activator to base while stirring, then add required thinner while stirring to achieve recommended viscosity.

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.

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Induction Time:

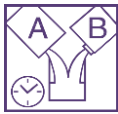
Not required



Viscosity: (23°C/73°F)

• ISO4	22 - 30 seconds
• AFNOR4	16 - 18 seconds
• BSB3	30 - 35 seconds
• FORD4	15 - 17 seconds
• ZAHN2	20 - 22 seconds

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



Pot Life:

8 hours @ 23°C (73°F)

4 hours @ 35°C (95°F)

Application Guidelines

Recommended Application Conditions:

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

Application:

Apply 2 coats to achieve the recommended dry film thickness of 30-40 µm

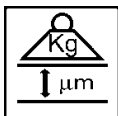


Theoretical Coverage: (unthinned)

14 m²/Lt @ 35µm dry film thickness
560 ft²/US gal @ 1.4mil dry film thickness

Recommended Dry Film Thickness:

30 - 40µm
1.2 - 1.6 (mil)



Dry Film Density: (unthinned)

1.135 g/cm³ (white)
9.47 lbs/US gal

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Dry Film Weight:

40 g/m² @ 35 µm dry film thickness
0.008 lbs/ft² @ 1.4 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: CV242 is compatible with most current types of spray equipment.



Equipment Type	Tip Size	Flow Rate	Pressure
Airmix	611	280 to 320 ml/min	725 to 870 psi (50 to 60 bar)
HVLP Air Spray	1.2 to 1.4 mm		14 psi (1 bar)
Conventional Air Spray	1.4 to 1.5 mm		43 to 72 psi (3 to 5 bars)
Airless	Not Recommended		
Air assisted Airless Electrostatic	611	280 to 320 ml/min	43 to 72 psi (3 to 5 bar)
Low Pressure Electrostatic	1.2 to 1.5 mm	220 to 320 ml/min	58 to 87 psi (4 to 6 bar)



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:

Colourless



Gloss:

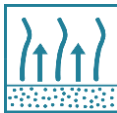
≥ 90 units with a 60° gloss meter

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DRYING TIMES	23°C(73°F)	70°C(158°F)
Dry to overcoat	3 to 72 hours	
Surface Dry	< 6 hours	
Hard Dry	16 hours	30 minutes
Full Cure	7 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 between coats



VOC: (ASTM)

Mixed (unthinned)	460 g/Lt
CV242 Base Component	520 g/Lt
ACT34 Activator	270 g/Lt
T4 Thinner	870 g/Lt



Flash Point:

CV242 Base Component	4°C (39°F)
ACT34 Activator	20°C (68°F)
T4 Thinner	23°C (73°F)

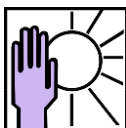
Shelf Life:

CV242 Base Component	24 months in original unopened container
ACT34 Activator	24 months in original unopened container
T4 Thinner	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

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

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