

CV122 (CV30) Electrical Insulating & Aerospace Wood Varnish

Product Description

CV122 (CV30) is a single pack, electrical insulating gloss varnish designed for application as an electrical insulating coating. CV122 (CV30) can also be used as a wood varnish for aerospace purposes.

- Air drying
- Water resistant
- Fungal resistant
- Used on coil, armature windings, electrical & radio apparatus

Components



Mix Ratio (by volume)

- CV122 (Base) 1 part
- T1 (Thinner) to viscosity

Specifications



CV122 is qualified to:

- BS5X17
- Def Stan 80-129 Type 2

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 cleaner are recommended.

Instructions for Use

Thoroughly stir before use.

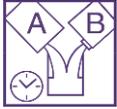


Viscosity: (23°C/73°F)

Not applicable - Supplied ready for use for brush application.
Thin as required for spray application.

CV122

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**Pot Life:**

Not applicable

Application Guidelines

Recommended Application Conditions:

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

Application:

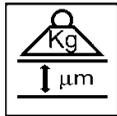
Apply 1-2 coats to achieve the recommended dry film thickness. Allow a minimum of 12 hours between coats.

**Theoretical Coverage:** (unthinned)

14 m²/Lt @ 30 µm dry film thickness
560 ft²/US gal @ 1.2 mil dry film thickness

Recommended Dry Film Thickness:

20 - 35 µm
0.8 - 1.4 (mil)

**Dry Film Density:**

1.1 g/cm³
9.1 lbs/US gal

Dry Film Weight:

33 g/m² @ 30 µm dry film thickness
0.006 lbs/ft² @ 1.2 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.

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Equipment:



Equipment Type	Tip Size	Air Pressure
Conventional Air Spray	1.0-1.8 mm	29 to 44 psi (2 to 3 bar)



CV122 can be applied by conventional spray or brush.
Thin as required with T1 thinner.

Equipment Cleaning:

Clean spray equipment before use and as soon as possible after use. T1 solvent thinner is recommended.

Physical Properties



Colour:

Colourless



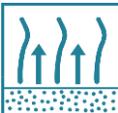
Gloss:

Full Gloss > 85 units with a 60° meter



DRYING TIMES@ 23°C (73°F) 50% RH	
Surface Dry	4 hours
Hard Dry	8 hours
Recoat with Self	12 hours
Fully Cure	7 days

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



Flash Off Time:

Not required



VOC: (ASTM)

CV122 Base Component	450g/Lt
T1 Thinner	785g/Lt



Flash Point:

CV122 Base Component	38°C (100°F)
T1 Thinner	38°C (100°F)

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Shelf Life:

CV122 Base Component
T1 Thinner

24 months in original unopened container
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 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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ASC – Australia
Tel 61 (3) 9335 1557
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Fax 44 (0) 1388 770288

ASC – South Europe
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Americas

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

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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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