

PRODUCT DATA SHEET

TT-V-119D PHENOLIC-RESIN VARNISH PTI SPECIALTY SERIES

DESCRIPTION

TT-V-119D that meets the named specification is a clear, air-drying spar varnish of the phenolic-resin type. It is intended for use as a transparent and aluminized exterior protective finish coating for wood, metal, and doped fabric. It serves also as an aluminum vehicle for certain enamels and primers, and as a sealing compound in the fabrication and repair of riveted aluminum alloy tanks.

COLORS

This coating can be provided in clear. Custom colors are NOT available.

COATING PROPERTIES & CHARACTERISTICS

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|-----------------------|--|
| Specification | AMS 3132 |
| Recommended Primer(s) | None |
| Reducer | PT-1022X66 |
| Flash Point | 80° F min TCC |
| Solids Content | 57% |
| Viscosity | 20 – 50 centipoise or 18 – 25 seconds in a #2 Zahn Cup |
| Weight per gallon | 7.2 lbs/gl min. (AVG 8.1 lbs/gl) |
| Coverage (approx.) | 700 square ft. per gl. At 1.0 mil thickness |
| Viscosity | C-F Gardner-Holdt Tubes at 25° C |

SHELF LIFE

Shelf life is only applicable for materials stored in unopened and undamaged original factory filled containers.
1 year when stored between 50°-85° Fahrenheit.

CLEANING

All parts must be chemically or mechanically cleaned, film free, by a recognized cleaning specification. Use a solvent wipe (IPA, Acetone, etc) to remove any fingerprints, oils, dust, etc just prior to application.

MIXING INSTRUCTIONS

To spray, reduce **TT-V-119D** with **PT-1022X66** solvent blend from PTI. Mix at a ratio of 4 parts varnish to 1 part reducer by volume. More may be added if necessary.

APPLICATION

This product can be applied using brush, dripping, conventional air spray equipment or HVLP Spray system. Please consult with a PTI representative for specific equipment recommendations and settings.

1. Make sure pots, guns, and lines are purged and cleaned.
2. Mix both paint and thinner thoroughly and filter/strain before spray application.

NOTE: It is not recommended to strain flat/matte coatings.

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3. HVLP Spray Pressure: 7-10psi. Conventional Spray Equipment 15-30 psi.
4. Always air-blow and tack wipe the surfaces to be painted. Parts should be grounded to prevent static.
5. Best application results: apply 2 coats: 1 fog/tack coat & 1 full coats from 0.75 – 1 mil thickness.
6. Allow 20-30 minutes to pass before applying additional coats.

NOTE: Application of PTI products requires the use of all OSHA approved safety equipment, including proper ventilation. Additionally, PTI products require the recommended temperature/humidity conditions and film thickness ranges for optimal performance. The material, hangar, and aircraft skin temperatures should be no lower than 75° F / 25° C before, during and after application.

DRYING & CURING SCHEDULE

Air Dry Times (75°F / 25°C and 50% Relative Humidity)

- Set-to-touch 1 to 2.5 hours max
- Dry Hard 8 hours max.
- Free from after tack 24 hours max,

EQUIPMENT CLEANUP

Use clean Acetone, IPA, or PT-1022X66. Do not allow material to dry or cure inside any equipment.

HEALTH, SAFETY, & STORAGE REQUIREMENTS

Refer to each individual material SDS (Safety Data Sheet) for specific requirements on the health, safety, storage and handling requirements. Follow all local, state, and national regulations during surface preparation, material application and cleanup.

PRODUCT INFORMATION & DISCLAIMER

Product Data Sheets are periodically updated to reflect new information. It is important to use the latest and most recent revision for the product being used. The foregoing information is accurate to the best of our knowledge. However, due to differences in customer handling, use and method of application which are not known and are beyond our control, Products Techniques, Inc. makes no warranties as to the end result.