



PRODUCT DATA SHEET – PTI ENAMEL SERIES

PT-381 GLOSS ENAMEL TOPCOAT PT-382 SEMI-GLOSS ENAMEL TOPCOAT PT-383 FLAT ENAMEL TOPCOAT

DESCRIPTION

Our “TTE” enamel coatings are high performance, single component enamel topcoats designed for interior use on high performance general aviation, business jet, and commercial aircraft. These coatings are excellent exterior coatings on substrates that are not subjected to harsh environments. **PT-381** enamel meets, and exceeds **TT-E-489J**. **PT-382** enamel meets and exceeds **TT-E-529G & A-A-2962** and **PT-383** enamel meets and exceeds **TT-E-527D**. These high performance coatings can be applied over wood, composite or metal surfaces. These products are available in bulk or aerosol.

COLORS – AVAILABLE IN ALL FEDERAL 595C. CUSTOM COLORS ARE ALSO AVAILABLE.

COATING PROPERTIES & CHARACTERISTICS

Flash Point	45°F
Reducer	PTI-1022X66, PTI-1003 TYIII or Acetone
Primer	PTI Zinc Chromate Primer, Zinc Phosphate Primer or Zinc Oxide Primers
Recommended Dry Film Thickness	1 mil
Weight (lbs per gallon)	10 to 11 lbs
Theoretical Coverage	350-400 sq. ft./gallon
Coatings VOC	Below 420 g/L

SHELF LIFE

Shelf life is only applicable for materials stored in unopened and undamaged original factory filled containers. 1 year when stored at 50°-95° F.

MIXING INSTRUCTIONS

Shake component A in a paint shaker for 5 – 10 minutes for optimal results.

Reduce: The preferred is **PTI-1022X66, PTI-1003 TYIII**. “**Industrial Grade Virgin**” acetone may be used as a substitute. Avoid acetone that can be purchased in retail paint or home stores.

- **If Spraying:** Thin 8 parts enamel with 1 part thinner.
- **If Brushing:** Thin 8 parts enamel with up to, but not more than 1 part thinner.



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APPLICATION

This product can be applied by brushing, rolling 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 base and thinner thoroughly and filter/strain before spray application.
NOTE: It is not recommended to strain flat/matte coatings.
3. HVLP Spray Pressure: 7-10psi. Conventional Spray System, 15 – 30 PSI
4. Always air-blow and tack wipe the surfaces to be painted. Aircraft should be grounded to prevent static.
5. Best application results: apply 2 coats: 1 fog/tack coat & 1 full coats from 0.6 – 1 mil thickness.
6. Do not allow more than 48 hours to pass before applying the second coat.
7. Recommended Dry Film Thickness is 1-2 mils. Some colors may require thicker films to achieve hiding.

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

Dry times are based on the dry film thickness between 1-2 mils (25-50 microns).

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

Dries to touch in 1-2 hours; dries hard in 8-10 hours.

EQUIPMENT CLEANUP

Use clean PT-1022X66 Thinner. 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.