



PRODUCT DATA SHEET

PT-766 WING WALK TOP COAT PTI POLYURETHANE TOP COAT SERIES

DESCRIPTION

PT-766 Wing Walk Top Coat is a non-slip coating used for walkways on exterior aircraft surfaces that meets **A-A-59166 TYI & TYII**. **PT-766** comes in a smooth texture (without grit) as TYPE I and a rough texture (with grit) as TYPE II. The Wing Walk is a unique formulation of high molecular urethane resins, which cures at ambient temperatures. This product is a high performance, two component polyurethane topcoat designed for exterior and interior use on high performance general aviation, business jet, and commercial aircraft.

COLORS

This coating can be provided in white, black gray or any FED STD 595 color.

COATING PROPERTIES & CHARACTERISTICS

Mix Ratio, by volume	1 part Base to 1 part Catalyst
Reducer	PT-1003 Type I MIL-T-81772B TY. I
Recommended Dry Film Thickness	1 to 2 mils.
Admixed Viscosity	12 - 20 seconds #4 Ford Cup
Admixed Weight per Gallon	10.2 lbs.
Solids By Weight Packaged Material	Approximately 65%, depending on color
Theoretical Coverage	600 sq. ft. ² /gal.
Pot Life	4 hours
Coatings VOC	420 g/l maximum

SHELF LIFE

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

MIXING INSTRUCTIONS

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

Admix by volume:

- 1 Part** Component A (Base)
- 1 Part** Component B (Catalyst)

Admixed material should be allowed a 15-minute induction time for best application results.

Reduce: If needed, use reducer PT-1003 Type I no more than 10% by volume.

- If using PTI additives to adjust the dry and cure times of the coating, please refer to those Product Data Sheets for specific instructions for how to admixed the material.

APPLICATION

This product can be applied using conventional air spray equipment, HVLP, Apollo 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 catalyst thoroughly. Do not filter/strain this material.

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3. HVLP Spray Pressure: 7-10psi
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)

Unaccelerated

6 hours maximum.

Accelerated (Using PTI PolyKick™)

30 minutes – 1 hour (see PolyKick™ Data Sheet)

Recoat Time:

30 minutes.

Full chemical cure requires 7 days minimum.

Force Dry Times: 15 minutes at 225° F. Full chemical cure requires 2 hours at 225°F after the coating has dried hard.

EQUIPMENT CLEANUP

Use clean PT-1003 Type I Reducer. 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.