



PRODUCT DATA SHEET

PT-426F LOW VOC EPOXY TOPCOAT PT-426F SERIES

DESCRIPTION MIL-PRF-22750E, F & G Type I CL H GRADE B

PT-426F Epoxy Series are high performance, two component catalyst cure epoxy topcoats designed for exterior use on high performance aviation/aerospace, industrial, and marine applications. PT-426G Series Epoxy meets, and exceeds MIL-PRF-22750E, F & G Type I CL H GRADE B as well as BMS 10-11V Type II. This high performance coating contains no substance of know toxicity (under normal usage conditions) and provides ultimate protection. These epoxy topcoats provide a high quality finish to metal, wood, and most other materials capable of being coated and offer excellent chemical resistance properties.

COLORS

This coating can be provided in **any color & gloss range** as designated by the Federal Standard 595C. Custom colors are also available.

COATING PROPERTIES & CHARACTERISTICS

Mix Ratio, by volume	2 parts Base to 1 part Catalyst
Reducer	PT-1003 Type II
Recommended Dry Film Thickness	1 to 2 mils
Admixed Viscosity	17 seconds, max #4 Ford
Admixed Weight per Gallon	8.45 lbs.
Admixed Solids By Weight	67%
Theoretical Coverage	400 square ft. at 1 mil thickness
Pot Life	4 hours
Coatings VOC	340 g/L

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.

MIXING INSTRUCTIONS

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

Admix by volume:

2 Part Component A (Base)

1 Part Component B (Catalyst)

Add the Catalyst into the Base.

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

Reduce: Use reducer PT-1003 Type II no more than 10% by volume.

APPLICATION

This product can be applied by brushing, rolling or using conventional air spray equipment, 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.

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2. Mix both base and catalyst 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 pressure 15-30psi
4. Always air-blow and tack wipe the surfaces to be painted. Aircraft should be grounded to prevent static.
5. Best application results: fullest coverage apply 3 coats: 1 fog/tack coat & 2 full coats 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.
8. For wet sanding or buffing of coating, wait a minimum of 13 hours but not more than 26 hours.
NOTE: If paint is allowed to cure for more than 48 hours wet sanding and buffing is not possible.

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)

Set to touch: 4 hours

Dry hard: 8 hours

Full chemical: 7 days minimum

Force Dry Times: MUST AIR DRY FOR AT LEAST 15 MINUTES.

Dry hard: 2 hours at 150°F.

Full chemical: After “dry hard” 2 hours at 225°F

EQUIPMENT CLEANUP

Use clean PT-1003 Type II 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.