

## PRODUCT DATA SHEET

# PTW-170 WATERBORNE LACQUER TOPCOAT

### PTI WATERBORNE SERIES

#### DESCRIPTION

**PTW-170** is a high performance, single component topcoat designed for interior or exterior use on high performance general aviation, business jet, and commercial aircraft. PTW-170 meets and exceeds **MIL-PRF-81352C TYIII** is an excellent coating to apply over both metal and composite substrates. This product is available in bulk and aerosol cans.

#### 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

Flash Point	76°F
Reducer	Distilled Water
Primer	PTI-WREP
Recommended Dry Film Thickness	1 mil
Weight (lbs per gallon)	9 to 11 lbs
Theoretical Coverage	350-400 sq. ft./gallon
Coatings VOC	Below 70 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.

**Reduce:** Use distilled water to thin this product.

- **If Spraying:** Thin 10 parts paint with 1 part water.
- **If Brushing:** DO NOT THIN.

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### APPLICATION

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This product can be applied by brushing, rolling, conventional air spray equipment or a 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 water 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: apply 2 coats: 1 fog/tack coat & 1 full coats from 0.6 – 1 mil thickness.
6. Do not allow more than 12 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

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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 hard in 40 minutes; full cure in 24 hours.

### EQUIPMENT CLEANUP

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Use clean water. Do not allow material to dry or cure inside any equipment.

### HEALTH, SAFETY, & STORAGE REQUIREMENTS

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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

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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.