

## PT-573 FILLER/SANDING EPOXY PRIMER

### DESCRIPTION

**PT-573 Filler/ Sanding Epoxy Primer** is a two component epoxy based primer. **PT-573** is capable of filling small holes and imperfections before top coating. **PT-573** provides a smooth, sandable base coat that improves the adhesion and appearance of the top coat. Because of **PT-573's** unique formula, this primer also provides excellent rust and corrosion protection.

This sandable primer is compatible with PTI's epoxy (**PT-426F series**) and Polyurethane (**PT-785 and PT-799 series**) top coats.

### COLORS

This coating can be provided light gray.

### COATING PROPERTIES & CHARACTERISTICS

|                                |   |
|--------------------------------|---|
| Mix Ratio, by volume           | 1 part Base to 1 part Catalyst by volume  |
| Reducer                        | No thinning required  |
| Recommended Dry Film Thickness | 1 – 2 mils  |
| Admixed Weight per Gallon      | 11.5 lbs.   |
| Theoretical Coverage           | 500 sq. ft. <sup>2</sup> /gal.  |
| Pot Life                       | 8 hours   |
| Lubricating Oil Resistance     | di-2-ethyl-hexyl sebacate (95%) & trieresyl phosphate (5%) at 250°F for 4 hours |
| MEK Resistant                  | 50 Passes   |
| MIL-L-23699 Lubricating Oil    | 24 hours at 120°C   |
| MIL-H-8382 Hydraulic Fluid     | 24 hours at 150°F   |
| DS2 Resistance                 | Pass  |
| Coatings VOC                   | Below 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.

### SURFACE PREPARATION INSTRUCTIONS

This primer can be applied directly to metal that has been prepared according to a recognized cleaning method such as Federal Test Method Standard, #141 and Method 2013. It is recommended that all parts be pretreated with PTI's Acid Etching Wash Primer, PT-402 which meets MIL-C-8514. However, parts can also be pretreated with chemical conversion coating materials or alodine.

- Scuff the surface with scotch bright pads.
- Dust off the surface with an air hose and wand.
- Wipe of the substrate with IPA, Acetone or PTC-2002 to remove grime and oils

- Remove all remaining dust and debris by lightly wiping the substrate with a tack or “cheese” cloth
- For additional protection apply PTI’s Acid Etch Primer prior to the Epoxy Primer

### MIXING INSTRUCTIONS

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

Admix by volume:

1. Stir or shake both component “A” and “B” well before mixing
2. Add 1 part of Component “A” to 1 part of Component “B” by volume and stir thoroughly. Stir each well before mixing. If additional reducing is required use PT-1002 or PT-1003 TY II as needed.
3. Mix only an amount that can be used in one day.

### APPLICATION

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This product can be applied 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.
2. Mix both base and catalyst thoroughly and filter/strain before spray application.
3. HVLP Spray Pressure: 7-10psi. Conventional spray equipment 25-40 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 1 fog/tack coat at 0.5 mil thickness followed by a heavy coat that can be up to 1.5 mils. This product is intended for high build film thickness, apply additional coats if necessary.

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 of 1 to 1.5 mils.

#### Air Dry:

- Set to touch in 1 hour.
- Dry hard in 2 hours.
- Dry to apply 2<sup>nd</sup> or more coats at ½ hour intervals.
- Dry to topcoat in 2 hours.
- Dry to sand in 8 hours or overnight.

#### 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**

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Use clean Acetone, IPA or MEK solvent. 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.