# PRODUCT DATA SHEET

## 550 VOC White Lacquer

### DESCRIPTION

This line of high quality white lacquer topcoats provides exceptional durability for most household woodwork applications. They are controlled for tint strength, short-filled and may be tinted with industrial colorants. For wood substrates only. For interior use only.

### PRODUCT NUMBERS / SHEENS

400-0039 Gloss (80º+)

400-0040 Semi-Gloss (50º)

400-0042 (35º)

400-0041 Satin (20º)

### PRODUCT ADVANTAGES

- 550 VOC Compliant
- HAPs Compliant
- Excellent Durability
- High Solids
- Excellent Holdout
- Controlled For Tint Strength
- Supplied Ready To Spray For Airless Application
- Phthalate Free

### COATING PROPERTIES

**Viscosity:** 65K.U.
**Weight Solids:** 34.7-35.3%
**Volume Solids:** 23.0-23.4%
**Weight/Gallon:** 8.2 lbs./gal
**Coverage:** 369-376 sq. ft. per gallon at one mil dry film thickness.

**VOC (coating):** 4.5-4.6 lbs/gl. or 544-546 g/l
**VOC (material):** 2.8 lbs/gl. or 334-340 g/l
**VOC Ratio:** 0.97-0.98 lbs VOC/lbs. solids
**HAPS Ratio:** 0.534-0.547 lbs HAPS/lbs solids

**Dry Times:**
**Air Dry**: at 78°F, relative humidity 50%
To touch: 10 minutes
To Handle: 30 minutes
To sand/recoat: 45 minutes

Relative humidity will affect the speed of drying. Ideal conditions are 75°F or warmer at 50% humidity or less. Dry time will be faster at higher temperatures and lower humidity and equally slower at colder temperatures and higher humidity.

**Dry Film Thickness:**
*The total DFT for the complete coating system should not exceed 4 mils.*

**Shelf Life:** 24 months @ 77˚ F if unopened and stored in a cool dry area. Always rotate stock.
**Storage:** Keep away from heat or sparks.

*Note: These numbers represent actual control values on a smooth, sanded substrate. Spray techniques, texture, and sealing as well as film thickness may give different results on actual work, but they may be used for comparison. To the best of our knowledge, the above technical data is true and accurate at the date of issuance but is subject to change without prior notice.*

### PREPARATION INSTRUCTIONS

**Reduction:**
**Thinning:** This product is supplied ready to spray for airless application. If needed due to conditions in your facility, or for certain types of spray equipment, use SOL-9032 Zero VOC Thinner at levels not to exceed 10% by volume*
VOC after this thinning recommendation is less than 550 grams per liter.

**Retarder:** If a slower dry time is desired, or to prevent blushing in humid weather use SOL-0061 Retarder at levels not to exceed 4 oz per gallon (3% by volume)*

**Tinting:**
This product is controlled for tint strength, short-filled to 124 fluid ounces and may be tinted up to 4 oz per gallon with Industrial colorants formulated for lacquers such as Chromaflo 844. **Never tint with Universal Colorants that contain glycol.**

**Note:** Effective dry times will be lengthened if retarder is added

*Thinning this material may result in increasing the VOC levels of this product. Refer to your local regulations before thinning.

**Revised: November 17th, 2017**

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# PRODUCT DATA SHEET 400-003X-004X SERIES CONTINUED

**Substrate preparation:**

**New wood:** Remove any dirt, grease, glue or other contaminants. Moisture content of wood should be 7-9%. Sand to150-180 grit. Proper sanding of wood is absolutely critical to achieve the best color development and adhesion of the coating to the substrate.

**Old wood**: Strip old finishes completely and remove all contaminants from the surface. Make sure the surface is dry, sand as required. Finish same as new wood.

**Mixing Instructions:**

Mix material thoroughly before and during use. Material may be mixed by hand or mechanical agitation at moderate speed.

**Application:**

Using conventional, HVLP, airless, or air assisted equipment, apply this product at 3-4 wet mils per coat. Let dry a minimum of 45 minutes. Sand with 280-320 grit, no-fill sandpaper and remove sanding dust with clean compressed air, or tack rag.

This product should be used in conjunction with an approved white lacquer primer for best results. We recommend a coating system comprised of one coat of lacquer primer applied at 3-4 mils wet film build and 2 coats of topcoat applied at 3-4 mils wet film build. Maximum dry film thickness of the complete system must not exceed 4 dry mils.

Recommended Tip Sizes:

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|---|---|
| Conventional Air | 1.3-1.8mm |
| HVLP | 1.3-1.8mm |
| Airless | 10-15 thousandths |
| Air Assisted Airless- | 11-15 thousandths |

**Precautions:**

These products are intended for Professional use only. Do not proceed if you are planning on mixing with other finishing systems or other manufacturer's products. Gemini will not be held liable for finish failures due to the improper use of our products or deviation from our finishing recommendations

**Equipment:**

All equipment used with this product must have plastic, stainless steel, or Teflon fluid passages and wetted parts

**Containers:**

We supply this material in a lined container. All containers used in conjunction with storage and/or application of this product must be stainless steel, plastic, or otherwise acid resistant.

**Clean up:**

Use SOL-0020 Acetone, or SOL-9032 Zero VOC Lacquer Thinner to clean up all equipment. Dispose of in accordance with Federal, State, and Local regulation regarding pollution.

**Care and cleaning of this finish:** Use a mild dishwashing liquid and a damp cloth to remove food, grease, and other residue. Wipe dry. Do not use cleaners that contain ammonia, bleach, or abrasives as this may damage the finish.