



### 550 VOC Black Sealer

#### DESCRIPTION

Designed to be used in conjunction with our 550 VOC standard lacquer topcoats for the purpose of product performance enhancement, it has been developed using resins which improve the overall durability of the total coating system. Formulated at a low viscosity, this does not require the addition of thinners or reducers and its high solids content maximizes film build per coat. It exhibits a rapid dry schedule and excellent sanding properties. For wood substrates only. For interior use only.

#### PRODUCT NUMBERS / SHEENS

# 100-0015

#### COATING PROPERTIES

**Viscosity:** 50 #4 Ford  
**Weight Solids:** 47 %  
**Volume Solids:** 30 %  
**Weight/Gallon:** 9.21 lbs./gal  
**Coverage:** 489 sq. ft. per gallon at one mil dry film thickness.

#### PREPARATION INSTRUCTIONS

**Reduction:**

**Thinning:** Reduction may be required for certain types of spray application. We recommend the use of SOL-9032 Non HAPS/Non VOC Thinner for viscosity reduction\*.

**Retarder:** Retarding primers is not recommended.

**Note:** Effective dry times will be lengthened if retarder is added and may affect the dry and cure of subsequent topcoats.

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

#### PRODUCT ADVANTAGES

- 550 VOC Compliant
- HAPs Compliant
- Enhanced Durability VS Standard Lacquer Primer
- Rapid Dry Schedule
- Excellent Sandability
- High Solids
- Phthalate Free

**VOC (coating):** 4.59 lbs./gl. Or 549.84 g/l  
**VOC (material):** 3.85 lbs./gl. or 461 g/l  
**VOC Ratio:** 0.70lbs VOC/lbs. Solids  
**HAPS Ratio:** 0.5140 lbs. HAPS/lbs. solids

**Dry Times:**  
**Air Dry:** at 78°, relative humidity 50%;  
To touch: 6 minutes  
To Handle: 12 minutes  
To sand/recoat: 30 minutes

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

**Dry Film Thickness:**  
*Maximum DTF for this system should not exceed 3 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.*

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## PRODUCT DATA SHEET 100-0015 CONTINUED



### Substrate preparation:

**New wood:** Remove any dirt, grease, glue or other contaminants. Moisture content of wood should be 7-9%. New wood: Sand to 150-180 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 as new work.



### 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 30 minutes. Sand with 280-320 grit, no-fill sandpaper and remove sanding dust with clean compressed air, or tack rag. Typically we recommend a coating system comprised of one coat of 100-0015 applied at 3-4 mils wet film build and 2 coats of a pigmented topcoat. Gemini recommends using the 400-007x series of Black finishes. Maximum dry film thickness of the complete system must not exceed 3 dry mils.



### Recommended Tip Sizes:

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-9020 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.