



# PRODUCT DATA SHEET

## 275 VOC Water Clear High Build Lacquer Sealer

### DESCRIPTION

700-1200 is a high quality, higher build version of our 275 VOC water clear lacquer sealer. This sealer is a step above standard nitrocellulose lacquer technology and provides an introduction into higher performance systems for finishing doors, moldings, trim, and other interior woodwork projects that do not require significant moisture resistance. Combined with our water clear lacquer topcoats this is a preferred system for light or natural stains, as well as most applications that require a lacquer system with low color and exceptional clarity. For wood substrates only. For interior use only.

PRODUCT NUMBERS / SHEENS	COATING PROPERTIES	PREPARATION INSTRUCTIONS
700-1200	<p><b>Viscosity:</b> 18 #2 Zahn  <b>Weight Solids:</b> 24 %  <b>Volume Solids:</b> 18%  <b>Weight/Gallon:</b> 7.8 lb./gal  <b>Coverage:</b> 290 sq. ft. per gallon at one mil dry film thickness.</p>	<p><b>Reduction:</b>            This product is supplied ready to spray. No thinning is recommended.</p>
PRODUCT ADVANTAGES	<p><b>VOC (coating):</b> 2.16 lb./gl. or 259 g/l  <b>VOC (material):</b> 0.56 lb./gl. or 67 g/l  <b>VOC Ratio:</b> 0.29lb. VOC/lb. solids  <b>HAPs Ratio:</b> Zero lb. HAPs/lb. solids</p> <p><b>Dry Times:</b>  <b>Air Dry:</b> at 78°F, relative humidity 50%            To touch: 5 minutes            To Handle: 15 minutes            To sand/recoat: 30 minutes</p> <p>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 slower at colder temperatures and higher humidity.</p> <p><b>Dry Film Thickness:</b>            For best results, the DFT for this sealer should be between .6-.9 mils. Please refer to the PDS for the specific topcoat you are using for maximum DFT for the complete system.</p> <p><b>Shelf Life:</b> 24 months @77° F if unopened and stored in a cool dry area. Always rotate stock.</p> <p><b>Storage:</b> Keep away from heat or sparks.</p> <p><i>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.</i></p>	<p><b>Approved Companion Products</b></p> <p>700-12XX Series High Build Water Clear Lacquers</p>
<ul style="list-style-type: none"> <li>➤ Low VOC</li> <li>➤ Zero HAPs</li> <li>➤ Spray viscosity</li> <li>➤ Non photo chemically reactive</li> <li>➤ Phthalate free</li> </ul>		

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## PRODUCT DATA SHEET 700-1200 CONTINUED



### Substrate preparation:

**New wood:** Remove any dirt, grease, glue or other contaminants. Moisture content of wood should be 7-9%. 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 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 30 minutes. Sand with 280-320 grit, no-fill sandpaper and remove sanding dust with clean compressed air, or tack rag.

This product should be topcoated with our 700-12XX Series, 275 VOC High Build Water Clear Lacquers for best results. We recommend a coating system comprised of one coat of 700-1200 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 5 dry mils.



### Recommended Tip Sizes:

Conventional Air	1.3-1.8 mm
HVLP	1.5-1.9 mm
Airless	10-13 thousandths
Air Assisted Airless-	10-13 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.