

# UNILAC 100 WHITE

## PRECAT TOPCOAT

### DESCRIPTION

UNILAC 100 WHITE is a fast drying and high performance pre-catalyzed lacquer for use on interior wood products. This product has good build with excellent hiding properties providing a high-quality finish. Advanced pre-catalyzed technology provides excellent build and good chemical resistance. Available in low VOC and HAPS free versions.



### PRODUCT DATA

<b>Color</b>	White	<b>VOC actual</b>	710.97 g/L	5.93 lb/gal
<b>Solids % by Vol</b>	21% ± 2%	<b>VOC less exempts</b>	630.14 g/L	5.26 lb/gal
<b>Solids % by Wt</b>	35% ± 2%	<b>Photochemical reactive</b>	No	
<b>Density</b>	1.07	<b>Flash Point (PM/CC)</b>	N/A	
<b>Viscosity 23°C/73°F #4 Ford</b>	39-42	<b>Shelf life</b>	6 months (at 15-25°C/59-77°F)	
<b>Gloss (On Black glass @60°)</b>	20, 35, 50, 90/Available in other gloss level	<b>Theo-coverage @1 mil dry</b>	318 Sq.Ft/gal	8 m <sup>2</sup> /L

### PREPARATION/APPLICATION

<b>Working Temp</b>	>18°C/65°F surface, coating and air
<b>Catalyzation</b>	Optional for optimal chemical resistance 5 % by volume using C 05 catalyst.
<b>Pot life</b>	24 hours (23°C/74°F) when additional catalyst is added
<b>Reducer</b>	Reduce 15-25% by volume with Thinner DX 180 (Medium) or Thinner DX 195 (slow). To help reduce trapped air, blushing or orange peel, use Retarder LR236 at a maximum of 5%.by volume.
<b>Suggested Primer Application</b>	PC 150 WHITE PRIMER, VITROPRIMER 157, VS SURFACER PRIMER <ul style="list-style-type: none"> <li>◆ Prime- Apply a full coat of a recommended primer at 4.0 – 6.0 wet mils.</li> <li>◆ Allow to dry. Sand with 240, 320 paper, or sponges as required. Topcoat within 8 hours of sanding</li> <li>◆ Topcoat – apply UNILAC 100 WHITE at 4.0 - 6.0 mils wet</li> <li>◆ For more depth or build, sand and apply an additional coat.</li> <li>◆ Do not exceed 7.0 mils DFT for the total system.</li> </ul>
<b>Surface Preparation</b>	Wood surface must be clean, dry, and finish sanded with 180 grit sandpaper. Substrate should be clean and free of grease and oil to ensure optimum adhesion and coating performance properties. Moisture content of the wood should be between 6%-8%.
<b>Use Directions</b>	For interior use only. Catalyze, adjust viscosity and stir thoroughly before application to avoid variations application. Dry time can be directly impacted by many factors, including film thickness. Users are urged to test the system under shop conditions.
<b>App equip.</b>	Conventional & HVLP Siphon Feed, Pressure Pot Systems and Airless/Air Assist Equipment.
<b>Tinting</b>	Can be tinted up to 10% maximum with universal colorants 844.
<b>Cleanup</b>	Clean tools/equipment immediately after use with T750 LORCHEM cleaner gun or a quality lacquer thinner or acetone. Always follow manufacturer's safety recommendations when using any solvent.

### DRYING TIMES

Method	Drying temperature.	Drying Time @ 50%RH			
Air Drying	23°C/74°F	<b>Dust free time</b>	4-6 minutes	<b>Dry to sand</b>	1-2 hours
		<b>Dry to touch</b>	20-30 minutes	<b>Dry to recoat</b>	1-2 hours
		<b>Dry to Handle</b>	1-2 hours	<b>Dry to stack</b>	24 hours
Force dry	45 to 60°C/110-140°F	Minutes			

**Note:** Dry times are greatly affected by film build, porosity of substrate, air movement as well as heat and humidity. Minimum curing temperatures of 23°C/74°F must be maintained throughout curing cycle to achieve the film integrity as stated in product features.

**UNILAC 100 WHITE  
PRECAT TOPCOAT**



**APPLICATION RECOMMENDATIONS**

**APPLICATION EQUIPMENT SETTINGS**

Method of Application	Air Pressure (PSI)	Fluid Pressure (PSI)	TIP size (mm / inch)	Application Viscosity (#FORD 4)	Thickness Film (Mils)
Conventional spray	40-50	08-12	1.8-2/0,070-0,078	18-21	3-5
Airless Spray	10-18	300-600	0,28-0,33/0,011-0,012	18-21	3-5
HVPL	35-45	8-12	1.19-1,39/0,047-0,055	18-21	3-5

**Note:** All measurements and application equipment settings are based on application at a temperature of 77°F. Viscosity will vary depending on the temperature of the liquid. The above-mentioned application equipment recommendations are guidelines only. The noted settings are starting point recommendations and that adjustment to the settings and equipment may be needed to obtain the desired results. Please refer to your specific equipment manufacturer's recommendations for equipment set-up.

**SPECIFICATIONS**

- For interior use only.
- Must be stirred before and during using.
- Store at room temperature (under 25°C/ 80° F) after catalyzation. Higher temperatures will reduce the storage life.
- Apply over recommended LORCHEM primer. Please contact your LORCHEM representative for system recommendations.
- Total film thickness of systems must not exceed 7.0 mils dry film because heavier films may show cracking tendency.

**CAUTIONS**

**TESTING**

Due to the wide variety of substrates, surface preparation methods, application methods, and environments, the customer should test the complete system for adhesion, compatibility and performance prior to full scale application.

**THESE PRODUCT ARE DESIGNED FOR INDUSTRIAL SHOP APPLICATION AND PROFESSIONAL USE ONLY**

Thoroughly review Safety Data Sheet (SDS) for safety information and cautions prior to using this product. Please direct any questions or comments to your local representative.

**PDS**

Product Data Sheets are periodically updated to reflect new information relating to the product. It is important that the customer obtain the most recent Product Data Sheet for the product being used. The information, rating, and opinions stated here pertain to the material currently offered and represent the results of tests believed to be reliable. However, due to variations in customer handling ,preparation and application which are not known or under our control, LORCHEM cannot make any warranties related to the product or the performance of the product. Moreover, we underline the fact that in industrial applications, a tolerance of 5% in the overall results is considered normal and is not caused by the quality of the product.

**CONTACT**

**PH:** +1(450)424-4000  
**F:** +1(450) 424-9134  
<http://www.lorchemintl.com>

**LORCHEM INTERNATIONAL**  
 150,Rue Aimé-Vincent Vaudreuil, Dorion,  
 QC J7V5V5