

### UNILAC 100 WHITE

Industrial Wood Coatings

SINGLE COMPONENT LAQUER

#### Description

**Unilac 100 White** is a new generation of lacquer that can be used pre-catalyzed or with a catalyst. This product was developed with cutting edge pre cat technology to make a product that with a high quality finish, which is smooth and hard.

◆ <b>Viscosity</b> ...23 ± 1 second. Ford Cup #4 at 77°F (25°C)	◆ <b>VOC</b> ..... 556 g/Lt
◆ <b>Solids by Weight</b> ..... 37% ± 1%	4.63 lbs/gallon
◆ <b>Solids by Volume</b> ..... 35% ± 1%	◆ <b>Color</b> ..... White
◆ <b>Density</b> ..... 1.00	◆ <b>Gloss Availability</b> ..... 20°, 35°, 50°, 70°, 90°

#### Intended Uses

Intended for use over PC 150 White Primer, Setaprimer 251 or FK 50 Primer

#### Designed for interior use

- ◆ Architectural structures
- ◆ Any interior wood surfaces
- ◆ Furniture
- ◆ Cabinetry
- ◆ Tables and Chairs

#### Product Preparation

##### Catalyst (optional for optimal chemical resistance)

- ◆ C 05

##### Mixing Ratio

- ◆ 20:1 by volume ( catalyze 5% )
- 20 parts of **Unilac 100 White** to
- 1 part of C 05 by volume

##### Thinners

- ◆ DX 180 medium fast
- ◆ SL Thinner slow

##### Retarders

- ◆ LR 236 (5% max)

##### Thinning

- ◆ Reduce as needed up to 20%

#### Atmospheric Conditions

- ◆ Surface & air temperature 65°F(18°C) - 85°F(29°C).
- ◆ Relative humidity between 20% and 70%

#### Application Equipment

	Application Viscosity	Atomizing Air	Tip Size	Fluid Pressure
<b>Conventional Equipment</b>	19-22 seconds	50-55 PSI	0.070-0.080 inches 1.5 - 2 mm	7-10 PSI
<b>H.V.L.P Equipment</b>	18-21 seconds	19-26 PSI	0.042-0.055 inches 1 - 1.5mm	7-10 PSI
<b>Air Assisted Airless Equipment</b>	19-23 seconds	11-17 PSI	0.011-0.013 inches 0.6 - 0.9 mm	290-580 PSI

\* All viscosities taken with Ford Cup #4

\*\* The application equipment recommendations are guidelines. Please refer to your application equipment's operation manual for their recommendations.

## Recommended Preparation

### Preparation of new wood

- ◆ All wood to be free of surface contaminants
- ◆ Substrate is to be sanded within 8 hours prior to coating.
- ◆ 180 grit sandpaper on closed grained woods
- ◆ 150 on open grained woods.
- ◆ Moisture should be 6-12%RMC.

### Preparation Method

- ◆ Completely clean application equipment with a compatible Lorchem reducer
- ◆ Catalyze, adjust viscosity and stir material to ensure a uniform mixture. Ensure that the finishing material is grounded
- ◆ Inspect equipment to ensure proper tip sizes and air caps. Damaged equipment should not be used
- ◆ Adjust air and fluid pressures (if applicable) to recommended settings.
- ◆ Ensure that wood is uniformly sealed on all surfaces
- ◆ Allow product to dry as per the Lorchem technical data sheet (TDS) in a well ventilated area
- ◆ Completely clean application equipment with a compatible Lorchem reducer.

### Tinting

- ◆ Product can be tinted by a qualified technician up to 10% by weight with 844 colorants.

### Drying Time at room Temperature

- ◆ Dust free..... 4-6 minutes
- ◆ Tack Free..... 20-30 minutes
- ◆ Stacking.....24 hours

### Film Thickness\*

- ◆ Wet - WFT..... 3 - 5 mils
- ◆ Dry - DFT..... 2.5 mils
- ◆ Theoretical Coverage @ 1 MIL (25 Micron) DFT  
5 m<sup>2</sup>/Lt, 600 sq ft/gal

\* Results may vary due to transfer efficiency, spray method and substrate.

**\*Dry Film Thickness of system should not exceed 6 mils**

Pot Life..... 24 hours at 70°F (21°C) \*when additional catalyst is added  
Shelf Life..... 6 months closed container when stored at 70°F (21°C) and out of direct sunlight.  
After 6 months product should be verified prior to use.

### Performance Test

- ◆ Supplied upon Request

### Material Use and Safety

- ◆ Consult M.S.D.S. for proper safety and first aid procedures.
- ◆ Important to stir contents of the container prior to each use.
- ◆ **Unilac 100 White** is a high quality product which demands experienced knowledge. For more technical assistance on the use of this product please contact your Lorchem Representative.

All our technical data sheets are compiled according to our best studies and are not binding. The user assumes all risks of use. A perfect result depends on a number of factors; the nature of the substrate, the technical and physical possibilities and the user's application technique.

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Certified Distributor

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