



WOOD FINISHING SYSTEMS

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## Product Information (PI) Sheet

**Product:** Magnalac Pre-Catalyzed Pigmented Lacquer

|                 |   |  |   |  |
|-----------------|---|--|---|--|
| <b>Code(s):</b> | <b>W365 14</b><br>Satin White/<br>Opaque Base | <b>W365 122</b><br>Satin<br>Clear Base | <b>W350 18</b><br>Gloss White/<br>Opaque Base | <b>W350 102</b><br>Gloss<br>Clear Base |
|-----------------|---|--|---|--|

**Description:** Pigmented Magnalac is a premium quality, ultra low formaldehyde, pre-catalyzed nitrocellulose lacquer formulation (Amino Alkyd) that incorporates the most up-to-date European wood finishing care technology. In addition, this unique formulation contains no aromatic or ketone solvents. Supplied in a high solids, high build, fast drying formulation, Magnalac has exceptional resistance to water, solvents and household chemicals. Magnalac is a world-class coating that makes available to you, the latest in high performance, long lasting wood finish technology.

**Uses:** Magnalac Pre-Catalyzed Pigmented Lacquer is a furniture quality lacquer designed for use on kitchen and bathroom cabinets, dormitory, household, office or laboratory furniture, display fixtures and the wood parts of upholstered furniture.

**Other Products:** For lacquer thinner, use C160 36 M.L. Campbell Lacquer Thinner. To slow drying, use M.L. Campbell Care Retarder C161 1. For a base coat, use W350 10 Magnalac Primer Undercoater.

| Physical Properties (packaged)  |  |
|---|--|
| <b>Weight per Gallon:</b>   | 8.80 lbs (White/Opaque Base), 7.49-7.80 lbs (Clear Base)   |
| <b>Viscosity - Ford #4 at 77°F/25°C:</b>  | 50-55 seconds (White/Opaque Base)<br>30 ± 5 seconds (Clear Base)   |
| <b>% Solids - by Weight:</b>  | 45 ± 1 (White/Opaque Base), 26 ± 1 (Clear Base)  |
| <b>% Solids - by Volume:</b>  | 32 ± 1 (White/Opaque Base), 18 ± 1 (Clear Base)  |
| <b>Theoretical Coverage at 1 Mil Dry:</b><br>(Coverage figures DO NOT INCLUDE spray loss. Also allow for surface irregularities and porosity of wood surface to be finished.) | 523 sq. ft. per gallon (White/Opaque Base)<br>289 sq. ft. per gallon (Clear Base)                        |
| <b>Flash Point (PMCC):</b>  | 37°F or 3°C (White/Opaque Base), 46°F or 8°C (Clear Base)  |
| <b>Color:</b>   | White (White/Opaque Base), 1-3 GH (Clear Base)   |
| <b>Sheen (60° Glossmeter):</b>  | Gloss: 80+ (White/Opaque Base), 80+ (Clear Base)<br>Satin: 33-37 (White/Opaque Base), 33-37 (Clear Base) |
| <b>Packaged VOC:</b>  | 576 g/l (4.81 lbs./gallon) (White/Opaque Base)<br>667 g/l (5.56 lbs./gallon) (Clear Base)                |
| <b>Reduced with 5% C160 36:</b>   | 600 g/l (5.01 lbs./gallon) (White/Opaque Base)<br>675 g/l (5.67 lbs./gallon) (Clear Base)                |
| <b>Reduced with 10% C160 36:</b>  | 672 g/l (5.60 lbs./gallon) (White/Opaque Base)<br>683 g/l (5.73 lbs./gallon) (Clear Base)                |
| <b>Photochemically Reactive:</b>  | No (White/Opaque Base), No (Clear Base)  |

| Surface Preparation |   |
|---------------------|---|
| <b>New Work:</b>    | Remove any dirt, grease or other contamination and sand as required.  |
| <b>Old Work:</b>    | Strip old finishes completely and remove all contaminants from the surface. Make sure surface is dry. Finish as new work. If cratering develops on old work, Fish Eye Killer may remedy this problem, if the contamination is not too severe. |

### Reduction

If Magnalac Pre-Catalyzed Pigmented Lacquer White is formulated to be used with a 10% reduction of M.L. Campbell C160 36 Lacquer Thinner added to the coating. The addition of this 10% lacquer thinner will not cause the coating to exceed the V.O.C. limits established by New York City / New Jersey Environmental Regulations. Clear Base requires no reduction to apply.

### Mixing

Mix well before using. Material may separate during long-term storage.

### Tinting

Please note that the addition of colorant to pigmented coatings, in direct relationship to the amount of colorant used, will detract from the overall durability of the coatings and can also affect luster. We recommend a color limitation in White/Opaque Base of (8) ounces per gallon and Clear Base (10) ounces per gallon. Only tint MAGNALAC with industrial colorants such as Huls 844 tinters. DO NOT tint with colorants that contain glycol.

### Application Procedure

Pre-catalyzed type coatings develop very durable finishes but require controlled application procedures. An excellent long lasting finish can be developed by applying just one or two coats of Magnalac Pre-Catalyzed Pigmented Lacquer over Magnalac undercoater. First apply one or two coats of M.L. Campbell W350 10 Magnalac Lacquer Primer/Undercoater. The use of conventional nitrocellulose sealer/undercoats containing stearates are NOT recommended.

When applying a color over the lacquer undercoater, it is suggested you tint the lacquer undercoated with Huls 844 industrial colorant to approximate the finished color.

Following the application of the undercoater, apply one, but no more than two, coats of M.L. Campbell Magnalac Pre-Catalyzed Pigmented Lacquer. Remember that light scuff sanding in between coats is always recommended. When sanding between coats, use Fre-Cut (no fill) sandpaper. Always agitate the product thoroughly during application.

Too much coating weight can cause recoating and durability problems. The recommended dry mil film thickness after sanding should not exceed 5 mils dry.

Caution: Applying Magnalac Clear over Pigmented Magnalac coating may result in ambering of light colors. This is due to the slight ambering in Magnalac Clear finish. When recoating darker colors, ambering is not a problem.

**Refer to spray equipment suppliers, recommendations for fine lacquer atomizing spray guns, air caps, and fluid needles.**

**Note:** Hot spray application is not recommended. If hot spray equipment is used, temperature settings should never be over 110°F or 43° C.

### Equipment Clean Up

- Use lacquer thinner to clean up all equipment.
- Dispose of dirty solvent and cleaning rags in a safe and approved manner.
- Solvent or lacquer-soaked rags should be stored in water-filled, closed containers prior to disposal.

|                      | (at 77°F or 25°C) | Drying Times | (at 120°F or 49°C) |
|----------------------|-------------------|--------------|--------------------|
| <b>Dry to Touch:</b> | 15-25 minutes     |              | 5-10 minutes       |
| <b>Sanding Dry:</b>  | 15-30 minutes     |              | 8-12 minutes       |
| <b>Stacking Dry:</b> | 12 hours          |              | 30-60 minutes      |

Magnalac can be forced dried at temperatures of 120°F (49°C). If not force dried, it can be packed for shipping on the same schedule used for conventional nitrocellulose products.

### Packaging/Shipping

**Available Units:** Gallons and Pails

### Shelf Life and Storage

- Magnalac White/Opaque Base has a shelf life of 8 months
- Magnalac Clear Base has a shelf life of 18 months
- Store in cool, dry areas in the original sealed containers
- Do not store around any source of flames or sparks
- Spills should be cleaned up with non-sparking tools and inert absorbent material

### DOT Classification

Flammable Liquid

Red Label

UN 1263

### B/L Description

Paint

UN 1263

3

PG II

### Caution

- **THESE PRODUCTS ARE DESIGNED FOR PROFESSIONAL USE ONLY.**
- Use only after all safety information is understood.
- Refer to the Material Safety Data Sheet (MSDS) for additional information.

### Testing

Due to the wide variety of substrates, surface preparation methods, application methods, and environments, customers should test the complete system for adhesion and compatibility under their conditions prior to full-scale application.

### Notes

The information, rating, and options 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 and methods of application that are not known or under our control, M.L. Campbell cannot make any warranties as to the end result. *Thank you for using M.L. Campbell Wood Finishing products.*