



WOOD FINISHING SYSTEMS

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Product Information (PI) Sheet

Product: MagnaMax Hi-Solids Water White Pre-Catalyzed Clear Lacquer

Code(s):	C148 12 Dull	C148 14 Satin	C148 16 Semi-Gloss	C148 18 Gloss
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Description: MagnaMax is a clear high-performance, water white, hi-solids, fast dry, self sealing pre-catalyzed lacquer formulation that has exceptional resistance to water, solvents, and household chemicals. MagnaMax offers the convenience and user-friendly features of pre-catalyzed lacquer, while providing the high durability and performance of a post-cat. MagnaMax features the latest HAPS-free formulation with ultra low formaldehyde, meeting world E-1 standards for a better work environment. MagnaMax passes all KCMA tests, and AWI System 2, Pre-catalyzed Lacquer and System 5, Conversion Varnish for chemical and moisture resistance tests.

Uses: MagnaMax Water White Pre-catalyzed Clear Lacquer is a user friendly, furniture quality lacquer designed for use on kitchen and bathroom cabinets, household or office furniture, and the wood parts of upholstered furniture.

Other Products: For stain requirements, see M.L. Campbell WoodSong II Wiping Stains and Microton Spray Stains. MagnaMax is self-sealing. If separate sealer is desired, use M.L. Campbell C115049 MagnaSand Sealer, C156 11 Krystal Sealer or C100 25 Vinyl Sealer.

Physical Properties (packaged)	
Weight per Gallon:	7.85 lbs.
Viscosity - Ford #4 at 77°F/25°C:	25-30 seconds
% Solids - by Weight:	33 ± 3
% Solids - by Volume:	25 ± 2
Theoretical Coverage at 1 Mil Dry: (Coverage figures DO NOT INCLUDE spray loss. Also allow for surface irregularities and porosity of wood surface to be finished.)	405 sq. ft. per gallon ± 5
Flash Point (PMCC):	48°F or 9°C
Color:	Clear to Hazy
Sheen (60° Glossmeter):	Dull: 15±2, Satin: 35±2, Semi-Gloss: 65±2, Gloss: 85+
Packaged VOC:	625 ± 4 g/l or 5.22 ± .1 lbs./gal. less exempt solvents
Photochemically Reactive:	No

Surface Preparation	
New Work:	Remove any dirt, grease or other contamination and sand as required. If desired, apply WoodSong II stain as directed by the specific M.L. Campbell Product Information (PI) Sheet, prior to finishing.
Old Work:	Strip old finishes completely and remove all contaminants from the surface. Make sure surface is dry. Finish as new work.

Reduction

No reduction is required; however, small amounts of lacquer thinner (C160 36 Lacquer Thinner or C162 1 Care Reducer) may be used if required for specific equipment. If blushing occurs use M.L. Campbell C162 Flow Enhancer 1 or C161 1 Care Retarder.

Mixing

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

Application Procedure

MagnaMax is formulated to be a self-sealing system. Always agitate thoroughly before application. Apply 2-3 coats at 3-6 mils wet on sanded substrate. The second or third coat should be applied after complete drying of the previous coat. Sand between coats using 280-320, fre-cut (no fill) type sand paper. Always sand just prior to recoating. The total dry film build should be at least 2.5 mils and should not exceed 5 dry mils. MagnaMax should be applied when temperatures in the spray room are at a minimum of 68°F (20°C).

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 or VC16936 Fast Reducer VOC Exempt 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.

Drying Times (at 77° F or 25° C)

Dry to Touch:	15-25 minutes
Sanding Dry:	30-45 minutes
Stacking Dry:	4-6 hours

Packaging/Shipping

Available Units:	Gallons and Pails.
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Shelf Life and Storage

- Shelf life – 36 months
- 120 days after catalyzation: Store in a cool, dry area 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		
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B/L Description

Paint	UN 1263	3	PG II	
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Caution

- **THESE PRODUCTS ARE DESIGNED FOR SHOP APPLICATION AND 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.*