



WOOD FINISHING SYSTEMS

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Product Information (PI) Sheet

Product: MagnaMax® H2O Pre-Catalyzed Water Borne Polyurethane

Code(s):	C199152 Dull	C199154 Satin	C199156 S/G	C199158 Gloss
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Description: ML Campbell's MagnaMax® H2O Pre-Catalyzed WB Polyurethane is a single component urethane resin based finish that provides the look and durability of a solvent borne finish. This product passes all KCMA tests, AWI System 2, Pre-catalyzed Lacquer and System 8, Water Base Acrylic Cross Linking chemical and moisture resistance tests.

Uses: For use on kitchen and bathroom cabinets, dormitory, household and office furniture, paneling, hardwood flooring and display fixtures.

Other Products: For stain requirements, see M.L. Campbell WoodSong II Series Water Borne Stains and Toners. Use Agualente Plus Sealer (C136359) if seal coat is required. If applying to white oak, 2 coats of Agualente Plus sealer is required (C136359) to prevent any possible tannin reaction.

Physical Properties (packaged)	
Weight per Gallon:	8.8 lbs. ± .2
Viscosity - Ford #4 at 77°F/25°C:	18" ± 5"
% Solids - by Weight:	30.9 ± 2.0
% Solids - by Volume:	26.0 ± 2.0
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.)	420 sq. ft. per gallon
Flash Point (PMCC):	Not Combustible
Color:	Milky Amber
Sheen (60° Glossmeter):	Dull 15 (±5), Satin 25 (±5), S/G 55 (±5), Gloss 90+
Packaged VOC:	260 g/l (2.17 lbs./gallon)
Volatile HAPS (lbs/lbs of solids):	0.00 lbs/lb
Photochemically Reactive:	No

Surface Preparation	
New Work:	Remove any dirt, grease or other construction contamination from surface. Sand wood as required. No sealer is required.
Old Work:	Remove any dirt, grease, or other contamination from surface. Sand well to improve adhesion. If cratering develops, WR4 Latex (W) Anti-Cratering Additive may remedy this problem, if the contamination is not too severe.

Reduction
Product does not require reducing, but can be thinned with distilled water (use very small amounts at a time). Thinning should be limited to 5%. Over thinning can cause sags due to high solids content of product.

Application Procedure

All surfaces should be well sanded. Scuff sanding between coats is necessary. Remove all sanding dust before proceeding with finishing. Always agitate thoroughly before application. Wet mil film application should be 4 to 6 mils per coat. The second or third coat should be applied after complete drying of the previous coat. Sand between coats using 280-320 sand paper. Always sand just prior to recoating. The total dry film build should be at least 3.0 mils and should not exceed 6 dry mils.

IMPORTANT – product is designed to mimic solvent based appearance on wood and therefore has an amber cast.

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

Equipment Clean Up

- All equipment should be flushed with warm water immediately after use.
- A subsequent flush with alcohol will insure all moisture is removed from the system.

Drying Times (at 77° F or 25° C)

Dry to Touch:	15-20'
Sanding Dry:	20-30;
Stacking Dry:	6 Hr

Packaging/Shipping

Available Units:	Gallons and Pails.
Shipping Caution:	Restrictions for shipments of freezable materials.

Shelf Life and Storage

- Protect from freezing – store in airtight containers.
- Protect from temperature extremes.
- Shelf life is 18 Months for Dull and 24 months for all other sheens.

DOT Classification

Paint and Related Material	NOIBN	Protect from Freezing
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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.*