

Product Information (PI) Sheet

Product: High Performance Water White Conversion Varnish (HP WW CV)

Code(s):	MC127021 – Flat	C127022 – Dull	C127024 - Satin	
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Description: High Performance Water White Conversion Varnish Clear is a new generation of water white, non-yellowing, self-sealing post-catalyzed amino alkyd conversion varnish that offers fast dry, excellent durability and unique close to the wood furniture appearance with a smooth touch feel. HP WW CV has excellent application and sanding properties and includes UV absorbers for enhanced UV resistance and color stability. HP WW CV is completely HAPS free and provides an ultra low formaldehyde formula that passes the European Standard E-1 for formaldehyde emissions. HP WW CV passes all KCMA tests and AWI System 5, Conversion Varnish, for household chemicals, solvents and moisture resistance tests.

Uses: HP WW CV was specifically designed for kitchen cabinets, furniture, millwork and interior wood surfaces that are exposed to moisture, heat and household chemicals.

Other Products: For catalyst, use C149 1 M.L. Campbell Care Catalyst or C143 1 Care Catalyst Low VOC. Use only M.L. Campbell Lacquer Thinners and Retarders. M.L. Campbell WoodSong II Stains and Dyes are the only stains recommended for use with M.L. Campbell products. HP WW CV is self-sealing; if a sealer is required use C156 11 Krystal Sealer, C100 25 WW HS Vinyl Sealer or MC123319 FD Vinyl Sealer.

Physical Properties (packaged)	
Weight per Gallon:	7.80 ± 0.2
Viscosity - Ford #4 at 77°F/25°C:	20-24 seconds
% Solids - by Weight:	34 ± 2
% Solids - by Volume:	28 ± 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.)	448 ± 5 sq. ft. per gallon
Flash Point (PMCC):	60° F (15.6°C)
Color:	0 – 2 GH Hazy
Sheen (60° Glossmeter):	Flat: 8 ± 2, Dull:15 ± 2, Satin:35 ± 2
Packaged VOC, Catalyzed VOC:	614 g/l ± 10 (5.12 lb/gal), 622 g/l ± 10 (5.19 lb/gal) catalyzed 10% C149 1, 611 g/l ± 10 (5.10 lb/gal) catalyzed 5% C143 1
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 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 C163 Flow Enhancer 2 or C161 1 Care Retarder.

Mixing

HP WW CV has been developed to start its cross-linking (drying) with the addition of Care Catalyst:

- Use 10% C149 1 Care Catalyst or 5% C143 1 Care Catalyst Low VOC

Always add and mix the catalyst thoroughly before any reduction and application. No waiting period (sweating in time) is necessary before using this product. After catalyzation and reduction, HP WW CV has a pot life (usable time) of 24 hours. Be careful not to sand through the base coat before recoating.

Application Procedure

HP WW CV is formulated to be a self-sealing system. For best results and maximum durability, HP WW CV should be used self-sealing or use C156 11 Krystal Sealer, C100 25 Water White High Solids Vinyl Sealer, or MC123319 FD Vinyl Sealer. Vinyl Sealer should be catalyzed at 1% with C149 1 when using under HP WW CV. The use of conventional nitrocellulose sealers containing stearates are never recommended. Always agitate thoroughly before application. 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 2.5 mils and should not exceed 5 dry mils. Should be applied when temperatures in the spray room are at a minimum of 68°F or 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 heat is used, temperature settings should never be over 110°F or 43° C.

Equipment Clean Up

- Use lacquer thinner to cleanup 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:	15-20 mins
Sanding Dry:	30-40 mins
Stacking Dry:	4-8 hours

Packaging/Shipping

Available Units:	5 Gallons
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Shelf Life and Storage

- 3 year shelf life, 24 hour catalyzed pot life
- 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	UN1263		
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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.*