



WOOD FINISHING SYSTEMS

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Product Information (PI) Sheet

Product: Krystal SL HighSolids Conversion Varnish

Code(s):	C133722 Dull	C133724 Satin	C133728 Gloss	
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Description: Krystal SL High Solids Conversion Varnish was developed to be used on any wood surface where a durable, high-performance, moisture and chemical resistant finish is needed. Krystal SL is a ready to spray water white, non-yellowing, HAPs compliant, two component amino-alkyd finishing system ideal for use on kitchen and bathroom cabinets, display fixtures, office, dormitory, household, institutional, and laboratory furniture.

Uses: Krystal SL was specifically designed for interior wood surfaces that are exposed to moisture, heat and household chemicals. The different areas of use include: kitchen and bathroom cabinets, display fixtures, office, dormitory, household, institutional, and laboratory furniture.

Physical Properties (packaged)	
Weight per Gallon:	7.80 ± 0.2 lbs.
Viscosity - Ford #4 at 77°F/25°C:	10 - 15 seconds
% Solids - by Weight:	37.0 ± 2
% Solids - by Volume:	31.0 ± 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.)	495 ± 20 sq. ft. per gal.
Flash Point (PMCC):	7°F
Color:	1 - 3 GH Hazy
Sheen (60° Glossmeter):	Dull 15±2, Satin 35 ± 2, Semi-Gloss 65±2, Gloss 85+
Packaged VOC:	231 g/l (1.93 lbs/gal)
VOC as applied (catalyzed 5% C143-1):	268 g/l (2.24 lbs/gal)
Photochemically Reactive:	No

Surface Preparation	
New Work:	Remove any dirt, grease or other construction contamination, and sand wood as required. Use M.L. Campbell WoodSong II or Microton stains.
Old Work:	Strip old finish and remove all contaminants from the surface. When surface is dry, sand as required. If cratering develops and the contamination is not severe, then use WR5 Fish Eye Killer to rectify the problem.

Reduction

No reduction is required; however, small amounts of M.L. Campbell Fast Reducer VOC Exempt VC16936 or Medium Reducer VOC Exempt VC1681 may be used if required for specific equipment. If blushing occurs use M.L. Campbell Slow Retarder VOC Exempt VC1671. IMPORTANT – M.L. Campbell VOC Exempt Reducers and Retarders are compliant and will not increase VOC levels in VOC compliant coatings.

Mixing

Krystal SL High Solids Conversion Varnish must be catalyzed at a ratio of 5% C1431 Care Catalyst Low VOC or 6.4 ounces of catalyst per gallon of Krystal SL High Solids Conversion Varnish. This will produce a pot life of approximately 8 hours.

Application Procedure

Catalyzed cross-linked coatings develop extremely durable finishes, but require controlled preparation and application. A minimum of 3 mils dry must be obtained for maximum durability of the product, this can be achieved with 2 to 3 coats of Krystal SL or 1 coat of Krystal SL Sealer C133729 with 2 coats of Krystal SL. Too much coating weight can cause re-coating and/or durability problems in the future. The dry mil thickness should not exceed 4-5 mils. Do not exceed three coats. Use sandpaper and sand between coats. Be careful not to sand through the basecoat before re-coating.

Refer to spray equipment supplier's 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 M.L. Campbell Fast Reducer VOC Exempt VC16936 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:	20 - 30 minutes
Sanding Dry:	30 - 40 minutes
Stacking Dry:	12 hours

Packaging/Shipping

Available Units: Gallons and Pails.

Shelf Life and Storage

- Shelf-life is 24 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.*