

Product Information (PI) Sheet

Product: POLARION Interior Clear Sealer

Code(s) : C35579

Description: POLARION Interior Clear Sealer is two-component acrylic polyurethane that is GREENGUARD Certified and offers exceptional adhesion and chemical resistance, true non-yellowing performance, and a quick dry time.

Uses: The POLARION Interior Clear Sealer's close-to-the-grain formula is specifically designed for interior wood surfaces that are exposed to moisture, heat and household chemicals. It can be used for table tops, bar tops, cabinets, millwork, furniture, fixtures, and other wood surfaces.

Other Products: POLARION Clear Sealer is designed to be catalyzed with C35677 POLARION Catalyst. Do not use any other catalyst!

Most Wood Species: If staining is desired, use M.L. Campbell WoodSong Stain and/or Microton Dye (NGR) Stain Base. Excess stain MUST be wiped off thoroughly. Allow stain to dry for 90 minutes then wipe again before applying POLARION Interior Clear Sealer.

For clean up use PS3 Reducer or PS1 Fast Reducer. For retarder use PS5 Retarder. Do not use other solvents.

Physical Properties		
	Packaged	Blended A:B :: 5:1
Weight per Gallon	7.9 ± 0.2 lbs	8.0 ± 0.2 lbs
Viscosity - Ford #4 at 77°F/25°C	28 ± 3 seconds	28 ± 3 seconds
% Solids - by Weight	35.0 ± 2.0	42.0 ± 2.0
% Solids - by Volume	27.0 ± 2.0	34.0 ± 2.0
Theoretical Coverage at 1 Mil Dry <i>(Coverage figures DO NOT INCLUDE spray loss. Also allow for surface irregularities and porosity of wood surface to be finished.)</i>	N/A	545 ± 25 sq. ft. per gallon
Flash Point (PMCC)	29°F	84°F
Color	Clear	
Sheen (60° Glossmeter)	N/A	
Packaged VOC	615 g/l (5.13 lbs/gallon)	560 g/l (4.70 lbs/gallon)
Photochemically Reactive	No	No

Surface Preparation	
New Work:	Remove any dirt, grease, glue or other construction contaminants and sand wood as required.
Old Work:	Strip old finishes completely and remove all contaminants from the surface. Make sure surface is dry, sand as required. Finish as new work. If cratering develops on work, Fish Eye Killer WR5 may remedy this problem (if the contaminant is not too severe).

Reduction
No reduction is required for spray application. However, given the wide variety of application equipment, tip sizes and atmospheric conditions, these finishes can be reduced with the PS series of solvent blends to achieve optimal flow and leveling. Please refer to the PS series usage chart for specific reducer recommendations. Consult your local VOC regulations before purchasing and applying these products.

Mixing
C35579 POLARION Clear Sealer has been developed to crosslink with C35677 POLARION Catalyst. Mixing ratio by volume is 5:1 or 100 parts of C35579 POLARION Clear Sealer to 20 parts of C35677 POLARION Catalyst (which is a 20% catalazation rate). Always mix before using. No waiting/induction time after mixing is required. Reduce as indicated in previous section. Pot life is up to two-three (2-3) hours and will be affected by temperature and humidity (higher temperatures and humidity levels will decrease pot life times). Product viscosity will rise as pot life expires. Do not attempt to extend pot life.

Application Procedure

An excellent, very durable, exceptional build finish can be developed following a range of schedules listed below. Apply each coat at 3-4 wet mils. Note that C35579 POLARION Interior Clear Sealer should be used under the C3557x POLARION Interior Clear.

Apply 1st coat of C35579 POLARION Interior Clear Sealer over sanded wood substrate. Wait about an hour and then sand using no finer than 320 grit silicon carbide sandpaper. Repeat Sealer step in necessary.

Apply 1st coat of C3557x POLARION Interior Clear topcoat. Again, wait about an hour and then sand using no finer than 320 grit silicon carbide sandpaper. Apply 2nd coat of C3557x POLARION Interior Clear topcoat. If a 3rd coat is desired, wait about an hour and then sand using no finer than 320 grit silicon carbide sandpaper, then apply 3rd coat.

Sanding is always recommended between coats. Wet on tack applications are acceptable within 2 hours of initial application.

Do not exceed 6-8 dry mils. Before application, material, surface and air temperature should be a minimum of 68^oF or 20^oC.

Equipment Clean Up

- Use PS3 Reducer or PS1 Fast Reducer to clean up all equipment.
- Dispose of dirty solvent and cleaning rags in a safe and approved manner.

Drying Times (at 77° F or 25° C)

Dry to Touch:	30-45 Minutes
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Sanding Dry:	1 Hour
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Stacking Dry:	6 Hours
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Note: These times are directly affected by heat and humidity and caution must be taken to guarantee that the product is thoroughly cured before stacking.

Packaging/Shipping

Available Units	Gallons and Pails.
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Shelf Life and Storage

- Package life is (3) three years - 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) or Safety Data Sheets (SDS) 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.*