

Product Information (PI) Sheet

Product: CODA™ Interior Clear Hybrid Polyurethane

Code(s) :	C37570 SUPER FLAT	C37572 DULL	C37574 SATIN	C37578 GLOSS
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Description: CODA Interior Clear Hybrid Polyurethane is a two-component acrylic/alkyd blend that is GREENGUARD certified and offers excellent chemical and mar resistance. This unique hybrid technology provides remarkable clarity and build as well as accelerated dry times.

Uses: CODA Interior Clear Hybrid Polyurethane's formula was specifically designed for interior wood surfaces that are exposed to moisture, heat and household chemicals. It is ideal for use on table tops, bar tops, cabinets, millwork, furniture, fixtures, and any other interior wood surface.

Other Products: CODA Interior Clear Hybrid Polyurethane is designed to be catalyzed with C41077 CODA Non Yellowing Catalyst. Do not use or intermix with any other catalyst!

CODA Interior Clear Hybrid Polyurethane should be applied over CODA Interior Clear Hybrid Polyurethane Sealer. Consult the CODA Interior Clear Hybrid Polyurethane Sealer Product Information (PI) sheet for the proper catalyst and ratio.

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 sealer. Stain must be sealed with CODA Interior Clear Hybrid Polyurethane Sealer before application of CODA Interior Clear Hybrid Polyurethane topcoat.

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 :: 10:1
Weight per Gallon	8.08 ± 0.2 lbs	8.15 ± 0.2 lbs
Viscosity - Ford #4 at 77°F/25°C	30 ± 5 seconds	30 ± 5 seconds
% Solids - by Weight	34.0 ± 2.0	38.0 ± 2.0
% Solids - by Volume	27.0 ± 2.0	31.0 ± 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>	433 ± 25 Sq. Ft Per Gallon	495 ± 25 Sq. Ft Per Gallon
Flash Point (PMCC)	29°F	38°F
Color	Clear	
Sheen (60° Glossmeter)	2 Sheen±2, Dull 15±3, Satin 35±3, Gloss 85+	
Packaged less exempt VOC	635 ± 10 g/l (5.30 lbs/gallon)	600 ± 10 g/l (5.00 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
When used with conventional air spray, HVLP, air assisted airless spray, or airless spray, CODA Interior Clear Hybrid Polyurethane should be reduced 10% by weight with the PS3 series of solvent blends to achieve optimal flow and leveling. Gloss should be reduced 10-20% with PS5 series of solvent blends. The amount of reduction necessary is dependent on the type of equipment being used. Please refer to the PS series usage chart for specific reducer recommendations. Consult your local VOC regulations before purchasing and applying these products.

Mixing

CODA Interior Clear Hybrid Polyurethane has been developed to crosslink with C41077 CODA Non Yellowing Catalyst. Mixing ratio by volume is 10:1 or 100 parts of CODA Interior Clear Hybrid Polyurethane to 10 parts of C41077 CODA Non Yellowing Catalyst (which is a 10% catalyzation rate). Always mix before using. No waiting/induction time after mixing is required. Reduce as indicated in previous section. Pot life is up to four (4) 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 by further reduction.

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 CODA Interior Clear Hybrid Polyurethane Sealer should be used under the CODA Interior Clear Hybrid Polyurethane topcoat.

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

Apply 1st coat of CODA Interior Clear Hybrid Polyurethane. Again, wait about an hour and then sand using no finer than 320 grit silicon carbide sandpaper. Apply 2nd coat of CODA Interior Clear Hybrid Polyurethane 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 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:	25-30 Minutes
Sanding Dry:	40-45 Minutes
Stacking Dry:	6-8 Hours

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.

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

B/L Description

Paint | UN 1263 | 3 | PG II

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 Sheet (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.*

