

Product Information (PI) Sheet

Product: Clawlock Post-Cat Primer/Undercoater

Code(s):	W370 9 White	W370 11 Black		
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Description: Clawlock Primer/Undercoater is a high performance, high solids, two-component post-catalyzed (amino-alkyd) primer/undercoater for furniture, store fixtures and cabinets. Clawlock provides an excellent base coat for the start of a high performance pigmented finishing system. Based on European technology it is formulated with ultra low formaldehyde release. Its high solids, fast dry characteristics lend itself to good production properties and excellent sanding characteristics. Especially developed for filling the open pores of MDF board. It is also suitable for use as a high performance primer/undercoater on wood.

Uses: Can be used on wood or MDF board, kitchen and bathroom cabinets, dormitory, household, office or laboratory furniture, display fixture and wood parts of upholstered furniture.

Other Products: M.L. Campbell Lacquer Thinner (C16036), M.L. Campbell Care Retarder (C1611), or M.L. Campbell Care Reducer (C1621).

Physical Properties (packaged)		
	White	Black
Weight per Gallon:	10.12 lbs.+/- 0.2	9.58 lbs.+/- 0.2
Viscosity - @ 77°F/25°C:	1375-1650 cps	
Viscosity – Ford #4 at 77°F/25°C:		115-145 seconds
% Solids - by Weight:	51-55	46-51
% Solids - by Volume:	34-38	30-34
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.)	500-600 sq. ft. per gal.	500-600 sq. ft. per gal.
Flash Point (PMCC):	72°F (22.2°C)	72°F (22.2°C)
VOC:	555 g/l (4.63 lbs./gallon)	590g/l(4.93lbs./gallon)
Photochemically Reactive:	No	No

Surface Preparation	
New Work:	Remove any dirt, grease, glue or other construction contaminants and sand wood as required. When using high solids coatings on wood, it is important that the wood retains a profile after sanding for the coating to lock onto. High solids coating like Clawlock require a slight profile left on the wood after sanding. For best adhesion, finish sanding on wood, should be done using a maximum of 150 grit paper. Always be sure that sanding belts and sand paper used are not worn, as worn sanding materials tend to polish the wood.

MDF Board:	Remove any dirt, grease, glue or other construction contaminants and sand wood as required. Routed areas on MDF board should be sanded with a fine grade of sand paper, a minimum of 400 grit. UV filled MDF board must be sanded before application of Clawlock Primer / Undercoater to assure good intercoat adhesion.
Old Work:	Strip old finishes completely and remove all contaminants from surface. When surface is dry, sand as required. Finish as new work.

Catalyzation

Clawlock Primer/Undercoater must be catalyzed with 10% (12.8 ounces) of Care Catalyst C1491 per gallon to unreduced product prior to use. Product can be used immediately after catalyzation. No sweating in period is required. Always add catalyst to the coating before reduction. Once catalyzed the primer will have an 8 hour potlife.

Reduction

When used with conventional air spray, HVLP, air assisted airless spray, or airless spray, Clawlock Primer/Undercoater should be reduced 10-25% with M.L. Campbell Lacquer Thinner C16036 or M.L. Campbell Care Reducer C1621. The amount of reduction necessary is dependent on the type of equipment being used.

Application Procedure

For best results and maximum durability, Clawlock should be used within 8 hours after catalyzation. Catalyzed type coatings develop very durable finishes but require controlled procedures. Do not apply material in too heavy a film (4 to 5 mils wet are recommended). Too much coating weight can cause recoating and durability problems. A thorough sanding between coats is always recommended. An excellent, very durable base coat can be developed by applying just one coat (apply no more than two coats) on wood and two coats on MDF board.

Recommended total finish system dry mil thickness after sanding, should not exceed 4-6 dry mils. Always agitate thoroughly during application. Clawlock has excellent sanding characteristics. When sanding between coats, use Fre-Cut (no-fill) type sand paper.

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 hot spray equipment is used, temperature setting should never be over 100°F (38°C).

Equipment Clean Up

- 36 month shelf life
- Use lacquer thinner 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 a water filled, closed containers prior to disposal

Tinting

Clawlock Primer/Undercoater is not supplied in a controlled tinting strength, but can be tinted with up to 6 ounces of industrial colorants. Do not tint with colorant that contains Glycol.

Drying Time (at 77°F or 25°C)

Dry to Touch:	10-20 minutes
Recoat Time:	15-30 minutes
Stacking Dry:	16 hours plus

Packaging/Shipping

Available Units:	Gallons and Pails.
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Shelf Life and Storage

- Package life is 36 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	UN1263
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B/L Description

Paint	UN1263	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.*