M.L. CAMPBELL ®
WOOD FINISHING SYSTEMS

Product Information (PI) Sheet

Product: **Euro X Clear 2k Polyurethane – Brown Catalyst**

Code(s):	**EU30974 Satin**			

Description: Euro X Clear is a two-component polyurethane for use on exterior wood, when a very hard, long lasting finish is required. Provides an excellent (high solids) finish that is scratch and mar resistant and provides excellent moisture resistance. M.L. Campbell Euro X Exterior products have been formulated for exterior use in varying climates and seasons. Euro X coatings greatly outperform interior products due to better flexibility, resistance to temperature changes, moisture and UV resistance.

Uses: For use on exterior wood, when a very hard, long lasting finish is required.

Other Products: Euro X is designed to be catalyzed with the BROWN Euro Catalyst. Do not use any other catalyst! Euro X Super Sealer or Euro Exotic Wood Sealer must be used as a base coat.

Physical Properties (packaged)	
Weight per Gallon:	8.34 lbs.
Viscosity - Ford #4 at 77°F/25°C:	45 - 75 seconds
% Solids - by Weight:	49.0% ± 2.0%
% Solids - by Volume:	42.0% ± 2.0%
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.)	688 sq. ft. per gallon
Flash Point (PMCC):	25°F or -1°C
Color:	GH 3
Sheen (60° Glossmeter):	35
Packaged VOC:	510 g/l (4.25 lbs./gallon)
Photochemically Reactive:	Yes

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 to be finished is dry and sanded. Finish as new work. If cratering develops on old work, Fish Eye Killer WR5 may remedy this problem (if the contaminant is not too severe).

Reduction

Euro X Satin Clear may be reduced if required. Euro Reducer EU31197 is recommended. Consult your local VOC regulations before purchasing and applying Euro Series products.

Mixing

Euro X Clear has been developed to cross link with the Euro BROWN catalyst. Mixing ratio is 2:1 or two parts Euro X to one part Euro BROWN catalyst. Always mix before using. No waiting time after mixing is required. Pot life is 2 hours. Product viscosity will rise as pot life expires. Do not attempt to extend pot life with further reduction.

Application Procedure

An excellent, very durable, exceptional build finish can be developed following a range of schedules. Listed below is the recommended system. Apply each coat of Euro X Satin Clear at 5-6 wet mils with sufficient dry times in between. For best Euro X UV protection, total dry film thickness should be between 5-7 mils dry. Do not exceed 7 dry mils. Allow 48 hours drying time before installation.

Sealer for Most Wood Species: Use Euro X Super Sealer. If staining is desired, use M.L. Campbell WoodSong Stain. Excess stain MUST be wiped off thoroughly. Allow stain to dry for 90 minutes minimum then dry wipe again before applying sealer. Stain must be sealed with Euro X Super Sealer EU31089 before application of Euro X topcoats.

Sealer for Oily Exotic Wood Species: Use Euro Exotic Wood Sealer EU32079 over bare unstained oily exotic woods. Oily exotic woods MUST be sealed with Euro Exotic Wood Sealer EU32079 before application of Euro topcoats (refer to Euro Exotic Wood Sealer EU32079 PI sheet for further details).

Recommended System: Sand wood with 180 grit sandpaper. Reduce and apply appropriate Euro Sealer at 3 mils wet. Allow 2-3 hours dry time. Apply second coat of appropriate Euro Sealer at 3 mils wet. Allow 4 hour minimum dry time. Sand using 280 to 320 grit sandpaper. Apply first coat of Euro X Clear Satin at 5-6 mils wet. Allow 4 hour minimum dry time and sand with 280 to 320 grit sandpaper. Apply second coat of Euro X Clear Satin at 5-6 mils wet. If any Euro X topcoat has been allowed to dry for more than 3 hours, allow to fully dry and sand before applying next coat.

If another Euro X Clear Satin coat is required for additional UV protection: Allow Recommended System to dry 4 hour minimum dry time and sand with 320 grit silicon carbide paper. Apply third coat of Euro X Clear Satin at 5-6 mils wet.

For maximum life: Be sure to coat ALL sides and edges. If the project is cut or planed at jobsite, the installer should re-coat any bare edges with brushable waterborne Euro X Maintenance Coat (see Euro X Maintenance Coat EU33006 PI Sheet for details).

Maintenance Program: The Euro X product line includes a maintenance product. All exterior coatings will eventually degrade due to natural conditions. Euro X Maintenance Coat is a brushable water borne coating that can extend the service life of Euro X Clear. To rejuvenate a Euro X job, consult Euro X Maintenance Coat label or Product Information Sheet.

Equipment Clean Up

- Use Euro Reducer or VC16936 Fast Reducer VOC Exempt to clean up all equipment.
- Dispose of dirty solvent and cleaning rags in a safe and approved manner. Do not use any other solvents.

Drying Times (at 77° F or 25° C)

Dry to Touch:	90 minutes
Sanding Dry:	4-12 hours
Stacking Dry:	24-48 hours (65% Relative Humidity)

Packaging/Shipping

Available Units:	Quarts and Gallons

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) 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.*

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