

# Product Information (PI) Sheet

**Product:** POLARION X Sealer  
**Code(s) :** C38579

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

**Uses:** POLARION X Sealer can be used for doors, trim, gates, garage doors, patio furniture and other wood surfaces exposed to exterior environments. POLARION X Sealer can also be used on interior wood surfaces for superior UV protection.

**Other Products:** POLARION X Sealer is designed to be catalyzed with C35677 POLARION Interior/Exterior Catalyst.  
 Do not use any other catalyst!

Physical Properties		
	Packaged	Blended A:B :: 5:1
<b>Weight per Gallon</b>	8.20 ± 0.2 lbs	8.30 ± 0.2 lbs
<b>Viscosity - Ford #4 at 77°F/25°C</b>	28 ± 3 seconds	28 ± 3 seconds
<b>% Solids - by Weight</b>	38.0 ± 2.0	44.0 ± 2.0
<b>% Solids - by Volume</b>	30.0 ± 2.0	36.0 ± 2.0
<b>Theoretical Coverage at 1 Mil Dry</b> <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
<b>Flash Point (PMCC)</b>	29°F	84°F
<b>Color</b>	Clear	
<b>Sheen (60° Glossmeter)</b>	N/A	
<b>Packaged VOC</b>	587 g/l (4.90 lbs/gallon)	566 g/l (4.72 lbs/gallon)
<b>Photochemically Reactive</b>	No	No

Surface Preparation	
<b>New Work:</b>	Remove any dirt, grease, glue or other construction contaminants and sand wood as required.
<b>Old Work:</b>	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. Consult your local VOC regulations before purchasing and applying these products.

**Mixing**

POLARION X Sealer has been developed to crosslink with C35677 POLARION Interior/Exterior Catalyst. Mixing ratio by volume is 5:1 or 100 parts of Polarion X Sealer to 20 parts of C35677 POLARION Interior/Exterior Catalyst. 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 POLARION X Sealer should be used under the POLARION X Exterior Clear Topcoat.

Apply 1<sup>st</sup> coat of POLARION X Sealer over sanded wood substrate. Wait about an hour and then sand using no finer than 320 grit silicon carbide sandpaper. Repeat Sealer step for maximum protection (optional).  
 Apply 1<sup>st</sup> coat of POLARION X Clear topcoat. Refer to PI sheet for detail application recommendations.

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

Do not exceed 8 dry mils for total system. Before application, material, surface and air temperature should be a minimum of 68°F or 20°C.

#### 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
Sanding Dry:	1 Hour
Stacking Dry:	6 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	
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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.*