

**Product Code:**

431-1923

**VISCOSITY:** Zahn #2 signature cup 17 sec at 77°F  
**FLASH POINT:** -4°F (-20°C)  
**DENSITY (lb/gal):** 7.4  
**SOLID (% by weight):** 24.7%  
**SOLID (% by volume):** 17.6%  
**SHELF LIFE (months):** 6

**Product Description:** Chemvinyl is a one-component, pre-catalyzed vinyl sanding sealer with good clarity and moisture resistance. It is a quick drying product with excellent sanding properties and provides a very good moisture barrier. It provides excellent adhesion to most wood species as well as to topcoats.

431-1923 Chemvinyl can be use as a catalyzed sealer with the addition of 3 % of 873-0870. The catalyzed material does have a pot life of 8 hours at this point.

**Uses:** Chemvinyl is recommended for a variety of interior wood applications, including kitchen cabinets and vanities, where adhesion or moisture resistance may be a concern.

**Environmental Data (as supplied):**

<b>VOC less exempt lb/gal:</b>	<5.00
<b>VOC lb/gal:</b>	<3.05
<b>VOC less exempt g/l:</b>	<600
<b>VOC g/l:</b>	<366
<b>VOC lb/lb Solid:</b>	<1.7
<b>VHAPs lb/lb Solid:</b>	<0.008

**Application Data:**

<b>SUGGESTED USES:</b>	Wood Sealer
<b>MIXING RATIO:</b>	N/A
<b>POT LIFE:</b>	N/A
<b>APPLICATION VISCOSITY:</b>	Zahn #2 signature cup 17 seconds
<b>REDUCER:</b>	803-1325
<b>RETARDER:</b>	N/A
<b>CLEAN-UP SOLVENT:</b>	803-1298 or 800-5500 Acetone
<b>RECOMMENDED WET FILM:</b>	3 -5 mils
<b>COVERAGE:</b>	282 sq. ft./gal.

## Directions for Use

**Surface Preparation:** Wood substrate should be sanded with 120, 150 or 180 grit paper prior to staining or coating. Stain systems under acid containing coatings should be acid stable. AkzoNobel recommends using 825-90XX, 825-91XX Promatch® C-Mix Wiping Stains or 890-85XX Promatch Dye Stains.

**General information:** Agitate material thoroughly before use. Chemvinyl must be agitated thoroughly at all times to ensure product consistency.

Apply one or two coats at 3-5 mils wet and allow 30 – 45 minutes dry at 68°F prior to sanding and applying next coating. Sand with 280/320 grit paper before top coating or re-coating and ensure next coat is applied within eight hours of sanding Chemvinyl.

Chemvinyl may be topcoated with pre-catalyzed topcoats such as 431-80XX, 431-46XX, 431-47XX and 431-70XX. Chemvinyl has a limited shelf life and should be used within six months.

Chemvinyl must not be polluted with oil, varnish or the like and must not be sanded with steel wool between the coats. Chemvinyl must not be used nor dried at temperatures below 64°F (18°C), or relative air humidity above 65%. During hardening, the sealer must not be exposed to ammonia vapors. Ammonia cleaners should not be used for cleaning the finished surface.

Maximum film build of Chemvinyl 431-1923 is not to exceed 2 mils dry.

THE CUSTOMER IS RESPONSIBLE FOR FOLLOWING THE RECOMMENDED APPLICATION PROCEDURES. FAILURE TO ADHERE TO THE RECOMMENDATIONS GIVEN IN THIS DATA SHEET WILL LIKELY RESULT IN UNSATISFACTORY FILM APPEARANCE OR FILM FAILURE. THE COMPLETE COATING SYSTEM SHOULD BE CHECKED FOR REQUIRED PROPERTIES PRIOR TO START-UP OF PRODUCTION.

### Drying Times:

	Room Temperature (68°F)	Forced Drying Schedule (122°F)
<b>Tack Free Time:</b>	10 - 15 minutes	Flash off before entering oven
<b>Dry to Sand:</b>	30 - 45 minutes	15 -20 minutes
<b>Dry to Stack:</b>	1 - 2 hours	20 -30 minutes

Note: Dry times are greatly affected by film build, porosity of substrate, air movement as well as heat and humidity. Temperatures are based on actual board temperature. This may vary depending on length of time for boards to reach these temperatures. Minimum curing temperatures of 64°F/18°C must be maintained throughout the curing cycle to achieve the film integrity as stated in product features.

These products are designed for industrial use only. AkzoNobel views safety as a top priority. Please refer to Material Safety Data Sheet for information on the safe use of this product.

Values shown are calculated estimates and should not be construed as product specifications. We cannot anticipate all conditions under which this information and our products or the products of other manufacturers in combination with our products may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of each such product or product combination for their own purposes. Unless otherwise agreed in writing, we sell the products without warranty, and users assume all responsibility and liability for loss or damage arising from the use of our products whether used alone or a combination with other products. Use of unapproved or reclaimed solvent blends may reduce film properties and is not recommended.

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