

546-8006 Chemvinyl 550 Clear Sealer

Product codes: 546-8006	Viscosity	Zahn #2 signature cup 16 sec at 77°F
	Flash Point:	-4° F (-20°C)
	Density (lb/gal):	7.3
	Solid (% by weight):	20%
	Solid (% by volume):	13%
	Shelf Life (months):	12

Product Description:

Chemvinyl 550 is a single component vinyl modified nitrocellulose sealer that provides excellent sealing properties and very rapid dry. Chemvinyl 550 was developed to improve adhesion and moisture resistance. Chemvinyl 550 is an easy sanding sealer designed for the professional applicator who requires a rapid dry, easy sanding material. The Chemvinyl 550 shows improved adhesion with various stain systems.

All nitrocellulose lacquers will yellow over time. This could become an issue if this product is used over white surfaces. This yellowing generally adds a warm patina when applied over most other colors and stains.

Recommended: Architectural Woodwork Institute Nitrocellulose Lacquer System (8th Ed).

Uses:

Chemvinyl 550 is recommended for household furniture, millwork, decorative items as well as many other interior wood applications.

Environmental Data (as supplied):

VOC less exempt lb/gal:	<4.40
VOC lb/gal:	<1.36
VOC less exempt g/l:	
VOC g/l:	
VOC lb/lb Solid:	<0.9
VHAPs lb/lb Solid:	<0.004

Note:

N/A

Application Data

Suggested Uses:	Wood Sealer
Mixing Ratio:	N/A
Suggested Uses:	N/A
Application Viscosity:	Zahn #2 signature cup 16 seconds
Reducer:	800-5500
Retarder:	800-5742
Clean-up Solvent:	800-5500
Recommended Wet Film:	3 – 5 mils
Coverage:	Coverage is 210 sq. ft/gal at 1 mil dry and at 100% transfer efficiency. Coverage will vary depending on method of application or coating thickness.

Note:

N/A

Directions for use:

Surface Preparation:

Substrate must be sanded using 120, 150 or 180 grit steared paper prior to staining or coating. Chemvinyl 550 cannot be used on metal or old oil finishes. AkzoNobel recommends using 825-00XX or 825-09XX series stains or 824-50XX series waterborne stains.

General Information:

Apply at 3 – 5 wet mils on sanded substrate. Maximum film build of Chemvinyl is not to exceed 2 mil dry. Allow 45 minutes to one hour to dry at a minimum of 68°F (20°C) prior to topcoating.

Sand with 280/320 grit paper before topcoating and ensure topcoat is applied the same day the sanding is done.

Chemvinyl must be thoroughly agitated at all times to ensure product consistency.

Chemvinyl is used for sealing wooden furniture and other wood surfaces for interior use only. It can be used on all wood types and after drying and sanding, may be overcoated with acid curing systems such as Danspeed 424-44XX, 424-45XX and Plastofix Light 421-48XX. Chemvinyl may also be overcoated with pre-catalyzed materials such as Opticlear 431-80XX, EVar 421-80XX, Varicure® 431-46XX, ES Lacquer Elite II 431-47XX, Chemguard 431-70XX or ECat 431-11XX.

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 THE START-UP OF PRODUCTION

Drying Times:

	Room Temperature (20°C / 68°F)	Forced Drying Schedule (50°C / 122°F)
Tack Free Time:	5 - 10 minutes	Flash off before entering oven
Dry to Sand:	10 – 20 minutes	1 – 2 hours
Dry to Stack:	5 – 10 minutes	20 – 30 minutes

Note:

N/A

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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