Chemcraft
A Great Finish is Only the Beginning

AkzoNobel

546-7023 Chemvinyl HS Post-Cat Clear Sealer

Product codes:	546-7023	**Viscosity**	Zahn #2 signature cup 17 sec at 77°F
		Flash Point:	-4°F (-20°C)
		Density (lb/gal):	7.6
		Solid (% by weight):	28%
		Solid (% by volume):	20%
		Shelf Life (months):	12

Product Description:
Chemvinyl HS is a catalyzed vinyl sanding sealer with good clarity and moisture resistance. It is a quick drying product with excellent sanding properties and is to be used where excellent adhesion is important. Chemvinyl HS provides a very good moisture barrier. It provides excellent adhesion to most wood species, as well as to topcoats.

Uses:
This product is recommended for sealing kitchen cabinets, vanities as well as many other interior wood applications where adhesion or moisture may be a concern.

Environmental Data (as supplied):

VOC less exempt lb/gal:	<5.10
VOC lb/gal:	<3.90
VOC less exempt g/l:	
VOC g/l:	
VOC lb/lb Solid:	<1.80
VHAPs lb/lb Solid:	<0.2

Note:
N/A

Application Data

Suggested Uses:	Wood Sealer
Mixing Ratio:	97 parts 546-7023 to 3 parts 873-0870 99 parts 546-7023 to 1 part 873-1205
Suggested Uses:	8 hours
Application Viscosity:	Zahn #2 signature cup 16-17 seconds
Reducer:	803-1298
Retarder:	800-5328
Clean-up Solvent:	803-1298
Recommended Wet Film:	3 – 5 mils
Coverage:	314 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 stearated paper prior to staining or coating. Stain system used under acid catalyzed systems should be acid stable. AkzoNobel recommends using 825-90XX, 825-91XX Promatch® C-Mix Stains or 890-85XX Promatch Dye Stains.

General Information:
Apply at 3 – 5 wet mils on sanded substrate. Maximum film build of 546-7023 is not to exceed 1 mil dry. Allow one hour to dry at a minimum of 68°F prior to topcoating.

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

Always mix Chemvinyl HS while adding hardener and reducers in the recommended mixing ratios. Chemvinyl HS must be thoroughly agitated at all times to ensure product consistency. When catalyzed, avoid contact with metal surfaces.

Chemvinyl HS 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, Plastofix Light 421-48XX or E-Var 421-80XX.

In some instances, uncatalyzed materials containing nitrocellulose may show poor adhesion when coating over Chemvinyl HS. The time lag between sealing and recoating in these cases is critical and systems must be checked to ensure adequate film properties.

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:	10 – 15 minutes	Flash off before entering oven
Dry to Sand:	1 hour	2 hours
Dry to Stack:	15 – 20 minutes	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.

Akzo Nobel Coatings, Inc
1431 Progress Ave
High Point, NC 27260
336-841-5111

Updated: 2024-05-19 01:00:39