

401-004 Chemseal Xtra Clear Vinyl Sealer

Product codes: 401-004 Chemseal	Viscosity	Zahn #2 signature cup 22 sec at 25°C
	Flash Point:	-20°C
	Density (kg/l):	0.88 ± 2% at 25°C
	Solid (% by weight):	18%
	Solid (% by volume):	13%
	Shelf Life (months):	12

Product Description:

Chemseal 401-0040 is a ready-to-use vinyl sealer with good clarity and moisture resistance. It is a single pack, quick drying product with excellent sanding properties and is to be used where excellent adhesion is important.

Uses:

Chemseal is used for sealing wooden furniture and other wood surfaces for interior use only. It can be used on all wood types.

Environmental Data (as supplied):

VOC less exempt lb/gal:	<4.58
VOC lb/gal:	<2.30
VOC less exempt g/l:	
VOC g/l:	
VOC lb/lb Solid:	<1.3
VHAPs lb/lb Solid:	<0.02

Note:

See individual compliance sheets for specific data

Application Data

Suggested Uses:	Spray
Mixing Ratio:	3% 999-017 if desired
Suggested Uses:	8 hours if catalyzed
Application Viscosity:	20-25 sec Zahn #2 at 25°C
Reducer:	121-8020 or 121-803
Retarder:	800-5328 EEP
Clean-up Solvent:	Lacquer Thinner
Recommended Wet Film:	3-5 mils wet
Coverage:	5 m ² /l (55 pi ² /l) at 1 mil dry and at 100% efficiency. Coverage will vary depending on method of application or coating thickness.

Note:

N/A

Directions for use:

Surface Preparation:

Wood must be sanded with a 120, 150 or 180 grit paper and free of dust and all contaminants. Stain systems under acid catalyzed coatings should be acid stable.

General Information:

Apply 3-5 mils wet on sanded substrate. Allow one hour to dry at a minimum of 20°C prior to topcoating. Sand with 280/320 grit paper before topcoating and ensure topcoat is applied within eight hours of sanding Chemseal.

Always mix Chemseal while adding catalyst and reducers in the recommended mixing ratios. Chemseal must be thoroughly agitated at all times to ensure product consistency. When catalyzed, avoid contact with metal surfaces. Maximum film build of the sealer should not exceed 1 mil dry. Maximum film build of the system should not exceed 4 mils dry. If used uncatalyzed, topcoat to use is 431-90XX. Catalyzed Chemseal can be overcoated with following topcoats: 421-55XX, 421-63XX, 421-67XX, 421-72XX, 482-3XX and 635-0XX.

To obtain complete cure, the product must be applied at a temperature above 18°C and relative humidity below 65%. When drying, this product is not to be exposed to ammonia vapors. Finished surface must not be cleaned with ammonia containing products.

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 minutes	Flash off before entering oven
Dry to Sand:	1 hour	2 hours
Dry to Stack:	4 - 5 minutes	10 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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