

431-70XX Chemguard II Pre-Cat Clear TC

Product codes:	431-7020 Low Gloss	Viscosity	Zahn #2 signature cup 18 sec at 77°F
	431-7035 Satin	Flash Point:	0°F (-18°C)
	431-7050 Semi-Gloss	Density (lb/gal):	7.5
		Solid (% by weight):	23%
		Solid (% by volume):	16%
		Shelf Life (months):	6

Product Description:

This is a fast building pre-catalyzed Reactive Amino Coating (RAC). This coating demonstrates very good moisture, household wear, household chemical and mar resistance. The resins used in the coating are very clear and will resist ambering when compared to competitor's pre-catalyzed coatings. Chemguard II is a one-component, pre-catalyzed coating.

Special Recognition: Meets Kitchen Cabinet Manufacturer Association (KCMA) Standard

Recommended: Architectural Woodwork Institute (AWI). T.R.2.

Uses:

Chemguard II is recommended for office and household furniture, kitchen cabinets, as well as many other interior wood applications.

Environmental Data (as supplied):

VOC less exempt lb/gal:	<5.65
VOC lb/gal:	<4.50
VOC less exempt g/l:	<675
VOC g/l:	<540
VOC lb/lb Solid:	<2.70
VHAPs lb/lb Solid:	<0.8

Note:

N/A

Application Data

Suggested Uses:	Wood Finish
Mixing Ratio:	100 parts 431-70XX to 3 parts 873-0870
Suggested Uses:	8 hours (catalyzed)
Application Viscosity:	Zahn #2 signature cup 18 seconds
Reducer:	N/A
Retarder:	800-5328
Clean-up Solvent:	803-1298
Recommended Wet Film:	3 – 5 mils
Coverage:	276 sq ft/gal at 100% transfer efficiency. Coverage will vary depending on method of application or coating thickness.

Note:

N/A

Directions for use:**Surface Preparation:**

Wood substrate should be sanded with 120, 150 or 180 grit steared paper prior to sanding or coating. Sealers should be sanded with 280/320 grit steared paper prior to topcoating. The sealer should be topcoated within eight hours of sanding. Appropriate sealers are Chemcraft pre-catalyzed sealers or self-sealing. When recoating, the previous coat of Chemguard II must be sanded and the next coat applied within eight hours. Stain systems under acid containing coatings should be acid stable. The use of Chemcraft 825-90XX, 825-91XX Promatch® C-Mix Stains or 890-85XX Promatch Dye Stains is recommended. Chemguard II cannot be used on metal, old oil or cellulose lacquers.

General Information:

Agitate material before use. Always mix Chemguard II while adding catalyst and reducers in the recommended mixing ratios. Chemguard II must be agitated thoroughly at all times to ensure product consistency and consistent gloss.

Apply at 3 – 5 mils wet on sanded substrate. Further coats may be applied after complete drying followed by sanding with 280/320 grit steared paper. The second and subsequent coats must be applied the same day the substrate is sanded. Contact with metal surfaces should be avoided. Maximum film build of Chemguard II should not exceed 4 mils dry. Maximum film build of total coating system must not exceed 4 mils dry.

This coating is intended as a self-seal product however if a sealer is desired Chemvinyl 431-1923, Optiseal Fast Dry 431-1941, Variseal® 431-4601, Variseal H/S 431-4602 and Chemvinyl 546-8002 are recommended. Chemguard II is at a ready to spray viscosity. This coating will dry quickly and sand easily. This coating maybe catalyzed to further enhance its durability. It is not necessary to add catalyst to this product, however if a particular job calls for increased durability the addition of Chemcraft catalyst may achieve that goal. Contact your coatings supplier for a recommendation.

This product does contain formaldehyde, but the quantity is below the reportable amount according to OSHA Regulation 1910.1048.

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:	30 minutes	3 hours
Dry to Stack:	15 – 20 minutes	60 – 90 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.

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

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