

**Product Code:**

431-7010	Flat Gloss
431-7020	Low Gloss
431-7035	Satin Gloss
431-7050	Semi-Gloss
431-7090	Full Gloss

<b>VISCOSITY:</b>	Z#2/18" at 77°F
<b>FLASH POINT:</b>	0°F (-18°C)
<b>DENSITY (lb/gal):</b>	7.5
<b>SOLID (% by weight):</b>	23%
<b>SOLID (% by volume):</b>	16%
<b>SHELF LIFE (months):</b>	6

**Product Description:** This is a fast building pre-catalyzed Reactive Amino Coating (RAC) due to its high solid content (17.23% volume). 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, high solids 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:	<1.0

**Environmental Data:**

<b>SUGGESTED USES:</b>	Wood Finish
<b>MIXING RATIO:</b>	100 parts 431-70XX to 3 parts 873-0870
<b>POT LIFE:</b>	8 hours (catalyzed)
<b>APPLICATION VISCOSITY:</b>	Z #2/18"
<b>REDUCER:</b>	N/A
<b>RETARDER:</b>	800-5328
<b>CLEAN-UP SOLVENT:</b>	803-1298
<b>RECOMMENDED WET FILM:</b>	3 – 5 mils
<b>COVERAGE:</b>	276 sq ft/gal at 100% transfer efficiency. Coverage will vary depending on method of application or coating thickness.



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**Surface Preparation:** Wood substrate should be sanded with 120, 150 or 180 grit stearated paper prior to sanding or coating. Sealers should be sanded with 280/320 grit stearated 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 825-80XX C-mix stains or 890-85XX N.G.R. 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 stearated paper. The second and subsequent coats must be applied the same day the sub-straight 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 Optiseal 900 H/S (431-1909), Chemseal (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:

	At 68°F	At 122°F
<b>Tack Free Time:</b>	10 – 15 mins.	Flash off before entering oven
<b>Dry to stock:</b>	30 mins.	15 – 20 mins.
<b>Dry to Stack:</b>	3 hours	60 – 90 mins.

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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