

**431-5820 Airguard® Solvent Borne Pre-Cat Clear TC**

<b>Product codes:</b> 431-5820 Low Gloss	<b>Viscosity</b>	Zahn #2 signature cup 20-22 sec at 77°F
	<b>Flash Point:</b>	-4° F (-20°C)
	<b>Density (lb/gal):</b>	7.8
	<b>Solid (% by weight):</b>	24%
	<b>Solid (% by volume):</b>	18%
	<b>Shelf Life (months):</b>	12

**Product Description:**

Airguard is a one-component pre-catalyzed lacquer. Airguard demonstrates very good moisture, household wear, household chemical, solvent and mar resistance. Airguard is supplied at a ready to spray viscosity. Airguard does provide a very unique soft feel.

Special Recognition: Meets Kitchen Cabinet Manufacturer Association (KCMA) Standards.

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

**Uses:**

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

<b>Environmental Data (as supplied):</b>	<b>VOC less exempt lb/gal:</b>	<5.64
	<b>VOC lb/gal:</b>	<5.20
	<b>VOC lb/lb Solid:</b>	<2.73
	<b>VHAPs lb/lb Solid:</b>	<0.02

**Note:**  
N/A

<b>Application Data</b>	<b>Suggested Uses:</b>	Wood Finish
	<b>Mixing Ratio:</b>	No extra catalyst required
	<b>Suggested Uses:</b>	Not applicable
	<b>Application Viscosity:</b>	Zahn #2 signature cup 20 – 22 seconds
	<b>Reducer:</b>	803-1325 (Maximum 5%)
	<b>Retarder:</b>	N/A
	<b>Clean-up Solvent:</b>	Acetone
	<b>Recommended Wet Film:</b>	3 – 5 mils
<b>Coverage:</b>	289 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. Sealers, if used, should be sanded with 280/320 grit steared paper prior to being coated. The seal coat should be topcoated within (8) hours of being sanded. Airguard must be used as a self-seal. When recoating, the previous coat of Airguard must be sanded, and the next coat applied within (8) hours. Airguard cannot be used on metal, old oil or cellulose lacquers. Stain systems used under Airguard systems should be acid stable. AkzoNobel recommends using 825-90XX, 825-91XX Promatch® C-Mix Stains or 824-50XX Promatch Aqua Stains.

**General Information:**

Agitate material before use. Keep Airguard agitated thoroughly at all times to ensure product consistency and consistent gloss.

Apply at 3 – 5 mill 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 as the previous coat is sanded. The maximum film build of Airguard should not exceed 4 mils dry.

This product is intended as a self-seal product. Maximum film build of total coating system must not exceed 4 mils dry. Contact with metal surfaces should be avoided.

Natural ambering or discoloring in the can may occur over time. Although there may be changes of color in the can as the product ages, this will have little to no effect on the product during application. Storing in locations above recommended room temperatures could accelerate ambering.

Airguard must not be polluted with oil, varnish or the like and must not be sanded with steel wool between coats. Airguard must not be used and dried at temperatures below 64°F or relative humidity above 65%. During hardening the enamel must not be exposed to ammonia vapors. Ammonia cleaners should not be used for cleaning the finished surface. This may accelerate discoloration.

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:**

	<b>Room Temperature (20°C / 68°F)</b>	<b>Forced Drying Schedule (50°C / 122°F)</b>
<b>Tack Free Time:</b>	15 – 20 minutes	Flash off before entering oven
<b>Dry to Sand:</b>	1 hour	30 - 45 minutes
<b>Dry to Stack:</b>	2 hours	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.

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