

**Product Code:**

423-3120	Low Gloss
423-3135	Satin
423-3150	Semi-Gloss
423-3190	High Gloss

<b>VISCOSITY:</b>	Zahn #2 signature cup 43 sec at 77°F
<b>FLASH POINT:</b>	>200° F
<b>DENSITY (lb/gal):</b>	8.64
<b>SOLIDS (% by weight):</b>	30.8%
<b>SOLIDS (% by volume):</b>	28.6%
<b>SHELF LIFE (months):</b>	6

**Product Description:** Aqualux II is a urethane modified, one-component waterborne coating system. Aqualux II is a durable, fast drying material with very good moisture, household products, and mar resistance

Special Recognition: Meets Kitchen Cabinet Manufacturer Association (KCMA) Standards.  
Recommended: Architectural Woodwork Institute. (AWI). T.R.3.

**Uses:** Aqualux II is designed for interior furniture, fittings, kitchen cabinet and other wood applications.

**Environmental Data (as supplied):**

<b>VOC less exempt lb/gal:</b>	<1.35
<b>VOC lb/gal:</b>	<0.49
<b>VOC less exempt g/l:</b>	<165
<b>VOC g/l:</b>	<59
<b>VOC lb/lb Solid:</b>	<0.18
<b>VHAPs lb/lb Solid:</b>	<0.17

**Application Data:**

<b>SUGGESTED USES:</b>	Wood Finish
<b>MIXING RATIO:</b>	N/A
<b>POT LIFE:</b>	N/A
<b>APPLICATION VISCOSITY:</b>	Zahn #2 signature cup 43 seconds
<b>REDUCER:</b>	Water as required
<b>RETARDER:</b>	N/A
<b>CLEAN -UP SOLVENT:</b>	Use water when in liquid state, use water / Butyl Cellosolve (800-5742) when material is semi-dried
<b>RECOMMENDED WET FILM:</b>	4 - 5 wet mils
<b>COVERAGE:</b>	460 sq. ft/gal at 1 mil dry and at 100% transfer efficiency. Coverage will vary depending on method of application or coating thickness.



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**Surface Preparation:** Substrate should be sanded using 120, 150 or 180 grit sandpaper prior to staining or coating. Sealers if used should be sanded with 240, 280, and 320 grit stearated paper prior to being coated. Stain systems recommended under this product are Chemcraft® Waterborne wiping stains (824-XXXX) Chemcraft® Solvent wiping stains (825-90XX) or Chemcraft® NGR stains (890-85XX)

**General Information:** Mix material before use. Add water to reduce, if required, and mix thoroughly. Apply by spray at wet film builds of 4 - 5 mils. Application and drying conditions must be at temperatures of 64° F or above and at a humidity of less than 65%. Increased airflow and/or drying temperatures, including the use of infrared, will greatly decrease dry times.

Apply at 4 - 5 mils wet on sanded or sealed substrate. Further coats may be applied after complete drying followed by sanding with 280/320 grit stearated paper. Second and subsequent coats must be applied the same day the previous coat is sanded.

Aqualux II must be agitated thoroughly at all times to ensure product consistency. Contact with metal surfaces should be avoided. In the curing cycle, the addition of heat and air movement will shorten the drying time.

Note: Aqualux II must not be polluted with oil, solvent based paint or the like and should not be applied to metal surfaces. Aqualux II must not be sanded with steel wool between the coats. This coating must not be used and dried at temperatures below 64° F or relative humidity above 65%.

Film build should not exceed 2 dry mils per coat. Total film build must not exceed 4 dry mils.

THE CUSTOMER IS RESPONSIBLE FOR FOLLOWING THE RECOMMENDED APPLICATION PROCEDURES. FAILURE TO ADHERE TO THE RECOMMENDATIONS GIVEN IN THIS TECHNICAL DATA SHEET WILL LIKELY RESULT IN UNSATISFACTORY FILM APPEARANCE OR FILM FAILURE. THE COMPLETED COATING SYSTEM SHOULD BE CHECKED FOR REQUIRED PROPERTIES PRIOR TO START-UP OF PRODUCTION.

**Drying Times:**

	<b>Room Temperature (68°F)</b>	<b>Forced Drying Schedule (122°F)</b>
<b>Tack Free Time:</b>	15-20 minutes	10-15 minutes
<b>Dry to Sand:</b>	1 hour	45 minutes
<b>Dry to Stack:</b>	8 hours	6 hours

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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