

## 423-46XX Aqualux® Uniclear WB Clear Topcoat

<b>Product codes:</b>	423-4620 20° Low Gloss	<b>Viscosity</b>	Zahn #2 signature cup 35 sec at 25°C
	423-4635 35° Satin	<b>Flash Point:</b>	NA > 93.3°C (200°F)
	423-4650 50° Semi-Gloss	<b>Density (kg/l):</b>	1.03
		<b>Solid (% by weight):</b>	30 ± 1%
		<b>Solid (% by volume):</b>	28 ± 1%
		<b>Shelf Life (months):</b>	6

### Product Description:

Aqualux Uniclear Topcoat is an extremely durable acrylic with superior mar resistance. Aqualux Uniclear Topcoat is a water white resin system with excellent chemical resistance. Aqualux Uniclear Topcoat offers hardness, clarity, soft feel and excellent surface slip.

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

Recommended: Architectural Woodwork Institute. (AWI). T.R.3.

### Uses:

Aqualux Uniclear Topcoat is designed for interior furniture, fittings, kitchen cabinet and other wood applications.

### Environmental Data (as supplied):

<b>VOC less exempt lb/gal:</b>	N/A
<b>VOC lb/gal:</b>	N/A
<b>VOC less exempt g/l:</b>	
<b>VOC g/l:</b>	
<b>VOC lb/lb Solid:</b>	N/A
<b>VHAPs lb/lb Solid:</b>	N/A

### Note:

See individual compliance sheets for specific data

### Application Data

<b>Suggested Uses:</b>	Wood Finish
<b>Mixing Ratio:</b>	N/A
<b>Suggested Uses:</b>	N/A
<b>Application Viscosity:</b>	Zahn #2 signature cup 35 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 100-119 when material is semi-dried
<b>Recommended Wet Film:</b>	4 - 5 mils wet
<b>Coverage:</b>	N/A

### Note:

N/A

**Directions for use:**

**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.

**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. Aqualux Uniclear Topcoat can be used over 423-4600 and 423-4610 as a sealer. Application and drying conditions must be at temperatures of 18°C 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.

Second and subsequent coats must be applied the same day the previous coat is sanded. Aqualux Uniclear 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 Uniclear must not be polluted with oil, solvent based paint or the like and should not be applied to metal surfaces. Aqualux Uniclear must not be sanded with steel wool between the coats. 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 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	10 - 15 minutes
<b>Dry to Sand:</b>	1 hour	24 hours
<b>Dry to Stack:</b>	45 minutes	8 hours

**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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