

436-31XX Chemlite PU Clear Topcoat

Product codes:	436-3108 10° Matte	Viscosity	Zahn #2 signature cup 26 sec at 25°C
	436-3125 25° Low Gloss	Flash Point:	24°C (75°F)
	436-3141 40° Satin	Density (kg/l):	0.95
	436-3191 90° High Gloss	Solid (% by weight):	25%
		Solid (% by volume):	19%
		Shelf Life (months):	12

Product Description:

Chemlite is a two component polyurethane finish for interior use. The Chemlite system provides exceptional resistance to discoloration and gives a crosslinked finish that is tough and durable. The coating contains UV absorbers to minimize discoloration of light sensitive substrates.

Uses:

Chemlite is an excellent choice for finishing fine furniture, cabinetry and all other wood surfaces intended for interior use. Chemlite is also "water-white" meaning it is exceptional over pigmented basecoats where colour is important.

Environmental Data (as supplied):

VOC less exempt lb/gal:	<5.45
VOC lb/gal:	<2.65
VOC less exempt g/l:	
VOC g/l:	
VOC lb/lb Solid:	<1.9
VHAPs lb/lb Solid:	<0.002

Note:

See individual compliance sheets for specific data

Application Data

Suggested Uses:	Spray
Mixing Ratio:	10 parts Chemlite, 2 parts 999-067 (20% b.v.)
Suggested Uses:	3 hours
Application Viscosity:	Zahn #2 signature cup 20-25 seconds
Reducer:	121-834 or 800-5301
Retarder:	800-5328 EEP
Clean-up Solvent:	Lacquer Thinner (do not mix with product)
Recommended Wet Film:	4-5 wet mils
Coverage:	N/A

Note:

N/A

Directions for use:

Surface Preparation:

Topcoats should be well sanded using 240, 280 or 320 grit stearedated paper.

General Information:

Mix the desired amount of material and apply 4-5 mils wet. Do not use excess reducer (>10%), this product is relatively low solids and will appear 'hungry' if too much thinner is added.
 The relative humidity in the application and drying rooms should never exceed 75%. Viscosity on the catalyzed material should be monitored regularly to maintain a consistent appearance.
 Mixed product will contain 999-067, an isocyanate based co reactant. Please follow all precautions associated with handling and use of these materials.
 Total recommended film thickness of Chemlite is not to exceed 6 mils dry.
 The sealer for this product is 436-2104.

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:	20 - 30 minutes	Flash off before entering oven
Dry to Sand:	Overnight	Overnight
Dry to Stack:	3 hours	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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