

## 117-24XX Chemlife® 24 White Conversion Varnish Pigmented Topcoat

<b>Product codes:</b>	117-2410 10° Matte	<b>Viscosity</b>	Zahn #3 signature cup 20 sec at 25°C
	117-2420 20° Low Gloss		
	117-2435 35° Satin		
	117-2450 50° Semi-Gloss		
	117-2490 90° High Gloss		
	<b>Flash Point:</b>	12°C (55°F)	
	<b>Density (kg/l):</b>	1.13 ± 2% at 25°C	
	<b>Solid (% by weight):</b>	60 ± 2%	
	<b>Solid (% by volume):</b>	45 ± 2%	
	<b>Shelf Life (months):</b>	12	

### Product Description:

Chemlife 24 White is an acid curing, light stable, fast drying Reactive Amino Coating (RAC) with good building properties. It gives a smooth, knock-proof and hardwearing surface resisting influence from alcohol, water, etc. Due to its 24 hours pot-life, Chemlife 24 White provides the customer with minimum waste resulting in lower production costs. It also provides very good light stability based on the type of resin used and superior vertical hang.

Special recognition: when applied as specified, will meet required performance for the ANSI/KCMA A161.1 1990 9.0 Finish Test. Recommended: Architectural Woodwork Institute (AWI) O.P.4

### Uses:

This product is used as the final coat over wood, plywood, chipboard, etc., meant for interior use. This product is recommended for kitchen cabinets, high build office or residential furniture as well as many other interior wood applications where high build and durability are required.

<b>Environmental Data (as supplied):</b>	<b>VOC less exempt lb/gal:</b>	<1.45
	<b>VOC lb/gal:</b>	<0.45
	<b>VOC less exempt g/l:</b>	
	<b>VOC g/l:</b>	
	<b>VOC lb/lb Solid:</b>	<0.16
	<b>VHAPs lb/lb Solid:</b>	<0.2

### Note:

See individual compliance sheets for specific data

<b>Application Data</b>	<b>Suggested Uses:</b>	Wood Finish/Spray
	<b>Mixing Ratio:</b>	10% 873-1251
	<b>Suggested Uses:</b>	24 hours
	<b>Application Viscosity:</b>	22-25 sec Zahn #2 at 25°C
	<b>Reducer:</b>	121-803 or 121-8020 if necessary
	<b>Retarder:</b>	800-5328 EEP (2-3% maximum)
	<b>Clean-up Solvent:</b>	Lacquer thinner
	<b>Recommended Wet Film:</b>	3 to 5 wet mils
	<b>Coverage:</b>	17-18 m <sup>2</sup> /l (190 pi <sup>2</sup> /l) 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:**

Primer should be sanded using 240 and 320 grit steared paper. The primer should be topcoated within eight hours of sanding. Care should be taken during sanding through the primer.

**General Information:**

Catalyze and reduce the material as recommended. Chemlife 24 White is applied in one or two coats and can be used on all kinds of wood meant for interior use. A thorough sanding between the coats is essential to the adhesion. The second and subsequent coats must be applied the same day as the previous coat is sanded. Chemlife 24 White cannot be used on metal, old oil or cellulose lacquers. Total recommended film build of the system should not exceed 6 mils dry. Over the primer, the topcoat should not exceed 4 mils dry.

To ensure proper sheen, the catalyzed material should be agitated at all times. Chemlife 24 White must be thoroughly stirred while adding catalyst and thinner in the recommended mixing ratio. Contact with metal surfaces should be avoided once the Chemlife 24 White has been catalyzed.

Chemlife 24 White must not be polluted with oil, varnish or the like and must not be sanded with steel wool between coats. To obtain complete cure, Chemlife 24 White must be applied at a temperature above 18°C and relative humidity below 65%. When drying, this product is not to be exposed to ammonia vapours. Finished surface must not be cleaned with ammonia containing products.

Primers to use with 117-24XX: Chemlife White primer 522-2400, 220-2250 and 522-1410.

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>	3 hours	16 hours
<b>Dry to Stack:</b>	1 hour	3 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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