

131-51XX ES Lacquer White Pre-Cat Pigmented Topcoat

Product codes:	131-5120 20° Low Gloss	Viscosity	Zahn #2 signature cup 45 sec at 25°C
	131-5135 35° Satin	Flash Point:	14°C (57°F)
	131-5150 50° Semi-Gloss	Density (kg/l):	1.09
	131-5190 90° High Gloss	Solid (% by weight):	40%
		Solid (% by volume):	25%
		Shelf Life (months):	6

Product Description:

E.S. Lacquer is a one-component, Pre-Catalyzed lacquer especially developed for surface treatment of furniture where a beautiful appearance with good resistance properties is desired. E.S. Lacquer is fast drying and well suited for spraying as well as coating by roller and curtain coating.

Uses:

The material is used to achieve an open or semi-open grain finish on all types of wood for interior use. To augment the chemical resistance of the product, E.S. Lacquer 131-51XX may be catalyzed.

Environmental Data (as supplied):

VOC less exempt lb/gal:	<2.29
VOC lb/gal:	<0.60
VOC less exempt g/l:	
VOC g/l:	
VOC lb/lb Solid:	<0.35
VHAPs lb/lb Solid:	<0.001

Note:

See individual compliance sheets for specific data

Application Data

Suggested Uses:	Spray
Mixing Ratio:	3% 999-017 if catalyzed
Suggested Uses:	8 hours if catalyzed
Application Viscosity:	Zahn #2 signature cup 20-22 seconds
Reducer:	121-8020 or 121-803
Retarder:	800-5328 EEP
Clean-up Solvent:	Lacquer Thinner
Recommended Wet Film:	3-5 wet mils
Coverage:	10 m ² /l (105 pi ² /l) at 1 mil dry and at 100% efficiency. Coverage will vary depending on method of application or coating thickness.

Note:

N/A

Directions for use:

Surface Preparation:

Wood substrate should be sanded with 120, 150 or 180 grit paper prior to staining or coating. Sealers should be sanded with 280/320 grit steared paper prior to topcoating. The sealer should be topcoated within eight hours of sanding. When recoating, the previous coat of E.S. Lacquer must be sanded and the next coat applied within eight hours. E.S. Lacquer cannot be used on metal, old oil or cellulose lacquer.

General Information:

Agitate material before use. Always mix E.S. Lacquer while adding hardener and reducers in the recommended mixing ratios. E.S. Lacquer must be agitated thoroughly at all times to ensure product consistency and consistent gloss.

Apply at 3-5 mils wet on sanded substrate. Further coats may be applied after complete drying followed by sanding with 280/320 grit steared paper.

Maximum film build of E.S. Lacquer should not exceed 4 mils dry. Maximum film build of total coating system must not exceed 4 mils dry. To obtain a complete cure, the system should be applied at an ambient temperature above 18°C and a relative humidity below 65%. When drying, this product is not to be exposed to ammonia vapors. Finished surfaces must not be cleaned with ammonia containing products.

Basecoats to use with 131-51XX: 225-0010, 522-1624, 545-8016, 546-7257 or self-seal

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:	15 minutes	Flash off before entering oven
Dry to Sand:	2 hours	3 hours
Dry to Stack:	30 minutes	1 hour

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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