



421-82XX E-Var 550 Post-Cat Clear TC

Product Codes: 421-8220 Low Gloss
421-8240 Satin
421-8260 Semi-Gloss
421-8290 High Gloss

Viscosity: Zahn #2 signature cup 17 sec at 77°F
Flash Point: -4°F (-20°C)
Density (lb/gal): 8.05
Solid (% by weight): 48%
Solid (% by volume): 39%
Shelf Life (months): 12

Product Description:

E-Var 550 is a two-component post-catalyzed Reactive Amino Coating (RAC). This is a fast building product with low application odor. E-Var 550 is a fast drying, good building product that shows excellent resistance to both chemicals and to physical wear. The coating has excellent leveling and a smooth even appearance, even on open-grain woods. E-Var 550 uses light stable resins. E-Var 550 is supplied at a ready to spray viscosity. This coating will dry quickly and sand easily and can be used as a self seal finish.

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

Uses:

E-Var 550 is recommended for office and household furniture, kitchen cabinets, as well as many other high performance interior wood applications. E-Var 550 is designed for use on all types of solid wood and veneer meant for interior use.

Environmental Data (as supplied): **VOC less exempt lb/gal:** <3.80
VOC lb/gal: <3.25
VOC less exempt g/l: <460
VOC g/l: <390
VOC lb/lb Solid: <0.86
VHAPs lb/lb Solid: <0.28

Note:

See individual compliance sheets for specific data

Application Data:	Suggested Uses:	Wood Finish
Mixing Ratio:	100 parts 421-82XX to 3 parts 873-1205	
Pot Life:	8 hours	
Application Viscosity:	Zahn #2 signature cup 17 seconds	
Reducer:	N/A	
Retarder:	800-5328	
Clean-up Solvent:	800-5500	
Recommended Wet Film:	3 – 5 mils	
Coverage:	Coverage is 620 sq. ft/gal at 1 mil dry and at 100% transfer efficiency. Coverage will vary depending on method of application or coating thickness.	

Note:

N/A

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Directions for use:

Surface Preparation:

Substrate must be sanded using 120 or 150 grit stearated paper prior to staining or coating. When sealing, the sealer coat should be sanded prior to being coated with 240/280/320 grit stearated paper. The sealer should be topcoated within eight hours of being sanded. This product is designed to be used as a self seal. When recoating, the previous coat of E-Var 550 must be sanded and the next coat applied within eight hours. E-Var 550 cannot be used on metal, old oil or cellulose lacquers. Stain systems used under acid catalyzed systems should be acid stable. AkzoNobel recommends using 825-00XX or 825-09XX series stains or 824-50XX series waterborne stains.

General Information:

Agitate material before use. E-Var 550 must be agitated thoroughly at all times to ensure product consistency and consistent gloss. Always mix E-Var 550 while adding hardener and reducers in the recommended mixing ratios. Apply at 3-5 mils wet on sanded substrate. Further coats may be applied after complete drying followed by sanding with 280/320 grit stearated paper. The second and subsequent coats must be applied the same day as the previous coat is sanded.

Maximum film build of E-Var 550 should not exceed 4 mils dry. Maximum film build of total coating system must not exceed 4 mils dry. Contact with metal surfaces should be avoided.

E-Var 550 must not be polluted with oil, varnish or the like and must not be sanded with steel wool between the coats. E-Var 550 must not be used and dried at temperatures below 64°F or relative humidity above 65%. During hardening the coating must not be exposed to ammonia vapors. Ammonia cleaners should not be used for cleaning the finished surface. This may accelerate discoloration.

Please note that, as with any other amino-containing product, this material contains, and has the potential to emit, formaldehyde (CAS# 50-00-0). As per the US Department of Labor Standard 29 CFR 1910.1048 covering formaldehyde, section (d)(1)(i) states that "Each employer who has a workplace covered by this standard shall monitor employees to determine their exposure to formaldehyde." Please refer to the OSHA web site at www.osha.gov for further information.

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 (68°F)	Forced Drying Schedule (122°F)
Tack Free Time:	20 minutes	Flash off before entering oven
Dry to Sand:	2 hours	30 – 60 minutes
Dry to Stack:	Overnight	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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