

131-71XX Variset® Plus Pre-Cat Pigmented TC

Product codes:	131-7120 Low Gloss	Viscosity	Zahn #3 signature cup 24 sec at 77°F
	131-7135 Satin	Flash Point:	26°F (-3°C)
	131-7150 Semi-Gloss	Density (lb/gal):	8.6
		Solid (% by weight):	43%
		Solid (% by volume):	30%
		Shelf Life (months):	6

Product Description:

Variset Plus is a one-component, pigmented pre-catalyzed Reactive Amino Coating (RAC) with good resistance properties. This is a fast building pigmented pre-catalyzed RAC due to its high solid content (30% volume). Variset Plus is formulated using the same chemistry as Varicure®. Variset Plus demonstrates very good moisture, household wear, household chemical and mar resistance. The coating has light stable properties due to the type of resin used. This coating may be catalyzed to further enhance its durability. Contact your coating supplier for a recommendation. Variset Plus has very low odor during the curing process while maintaining its rapid dry and cure properties. Variset Plus can also be used as a mid-tone base for the Promatch® color system.

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

Recommended: Architectural Woodwork Institute (AWI). System 2.

Uses:

Variset Plus is recommended for kitchen cabinets, office and household furniture, as well as other interior wood applications.

Environmental Data (as supplied):

VOC less exempt lb/gal:	<4.90
VOC lb/gal:	<4.90
VOC less exempt g/l:	<575
VOC g/l:	<575
VOC lb/lb Solid:	<1.30
VHAPs lb/lb Solid:	<0.06

Note:

See individual compliance sheets for specific data

Application Data

Suggested Uses:	Wood Finish
Mixing Ratio:	100 parts 131-71XX to 3 parts 873-0870 (if use as a post-catalyzed material)
Suggested Uses:	8 hours (catalyzed)
Application Viscosity:	Zahn #2 signature cup 17 - 21 seconds
Reducer:	803-1325
Retarder:	800-5328
Clean-up Solvent:	803-1298
Recommended Wet Film:	3 – 5 mils
Coverage:	545 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

Directions for use:

Surface Preparation:

Wood substrate should be sanded with 120, 150 or 180 grit paper prior to coating. Primers should be sanded with 280/320 grit stearedated paper prior to topcoating. An appropriate primer is Variset Primer or self-seal. When recoating, the previous coat of Variset Plus or Variset Primer must be sanded and the next coat applied within eight hours. Variset Plus cannot be used on metal, old oil or cellulose lacquers.

General Information:

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

Apply at 3-5 mils wet on sanded or primed substrate. Further coats may be applied after complete drying followed by sanding with 280/320 grit stearedated paper. Maximum film build of Variset Plus should not exceed 4 mils dry. Maximum film build of total coating system must not exceed 4 mils dry. The second and subsequent coats must be applied the same day as the previous coat is sanded.

Contact with metal surfaces should be avoided.

Variset Plus must not be polluted with oil, varnish or the like and must not be sanded with steel wool between the coats. Variset Plus must not be used and dried at temperatures below 64°F or relative humidity above 65%. During hardening, the enamel must not be exposed to ammonia vapors. Ammonia cleaners should not be used for cleaning the finished surface.

This may accelerate discoloration.

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:	10 - 15 minutes	Flash off before entering oven
Dry to Sand:	2 hours	3 hours
Dry to Stack:	30 – 45 minutes	60 – 90 minutes

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.

Akzo Nobel Coatings, Inc
1431 Progress Ave
High Point, NC 27260
336-841-5111

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