



117-71XX CoVar® 275 White Conversion Varnish Pigmented TC

Product Codes: 117-7110 Matte
117-7120 Low Gloss
117-7140 Satin
117-7160 Semi-Gloss
117-7190 High Gloss

Viscosity: Zahn #2 signature cup 13-16 sec at 77°F
Flash Point: -4°F (-20°C)
Density (lb/gal): 9.9
Solid (% by weight): 46%
Solid (% by volume): 34%
Shelf Life (months): 6

Product Description:

CoVar 275 White is a two-component post-catalyzed Reactive Amino Coating (RAC). This product has been formulated to meet 275 g/l VOC regulations. CoVar 275 White 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. CoVar 275 White is supplied at a ready to spray viscosity. Very low HAPs and very low VOC.

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

Recommended: Architectural Woodwork Institute Conversion Varnish System (8 th Ed).

Uses:

CoVar 275 White is recommended for office and household furniture, kitchen cabinets, as well as many other high performance interior wood applications. CoVar 275 White is designed for use as a final coat on all types of solid wood and veneer meant for interior use.

Environmental Data (as supplied): **VOC less exempt lb/gal:** <0.98
VOC lb/gal: <0.4
VOC less exempt g/l: <118
VOC g/l: <48
VOC lb/lb Solid: <0.09
VHAPs lb/lb Solid: <0.02

Note:

See individual compliance sheets for specific data

Application Data: **Suggested Uses:** Wood Finish
Mixing Ratio: 100 parts 117-71XX to 3.5 parts 873-1205
Pot Life: 8 hours
Application Viscosity: Zahn #2 signature cup 13 – 16 seconds
Reducer: 803-1325 or 803-1349
Retarder: 800-5328
Clean-up Solvent: 800-5500
Recommended Wet Film: 3 – 5 mils
Coverage: Coverage is 548 sq. ft/gal at 1 mil dry and at 100% transfer efficiency. Coverage will vary depending on method of application or coating thickness.

Note:

The addition of these reducers or retarders could affect 275 VOC compliance.

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Directions for use:

Surface Preparation:

Primer should be sanded using 240 and 320 grit stearated paper. A suitable primer is catalyzed Versaprime®275 545-5120. Primers should be topcoated within eight hours of sanding. Care should be taken during sanding to avoid sanding through the primer. Substrate should be sanded using 120, 150 or 180 grit stearated paper prior to coating. CoVar 275 White cannot be used on metal, old oil or cellulose lacquers.

General Information:

Agitate material before use. Catalyze and reduce the material as recommended. Always mix CoVar 275 White while adding catalyst and reducers in the recommended mixing ratios. CoVar 275 White must be agitated thoroughly at all times to ensure product consistency and 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 stearated paper. 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.

Maximum film build of CoVar 275 White should not exceed 4 mils dry. Maximum film build of total coating system must not exceed 6 mils dry. Contact with metal surfaces should be avoided.

CoVar 275 White must not be polluted with oil, varnish or the like and must not be sanded with steel wool between the coats.

CoVar 275 White must not be used and dried at temperatures below 64°F or relative humidity above 65%. During the curing process, 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 acid catalyzed 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:	30 – 40 minutes	Flash off before entering oven
Dry to Sand:	60 - 90 minutes	30 – 60 minutes
Dry to Stack:	Overnight	3 – 4 hours

Note:

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.

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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.