

421-67XX Chemvar Conversion Varnish Clear Topcoat

Product codes:	421-6710 10° Matte	Viscosity	Zahn #2 signature cup 34-35 sec at 25°C (90°)
	421-6720 20° Low Gloss		Zahn #2 signature cup 38-39 sec at 25°C (10 to
	421-6735 35° Satin		50°)
	421-6750 50° Semi-Gloss		Flash Point: 12°C (55°F)
	421-6790 90° High Gloss		Density (kg/l): 1.00 ± 2% at 25°C
		Solid (% by weight): 54%	
		Solid (% by volume): 45%	
		Shelf Life (months): 12	

Product Description:

Chemvar is a high quality, acid curing Reactive Amino Coating (RAC). This is a fast building product due to its high content (45% volume). Chemvar has very good light stability based on the choice of resin used in the product and the addition of a UV block additive. This conversion varnish gives a smooth, knock proof and hardwearing surface resisting influence from alcohol, water, etc.

Special recognition: when applied as specified, will meet required performance for the ANSI/KCMA A161.1 1990 9.0 Finish Test.

Uses:

Chemvar is recommended for kitchen cabinets, high build office or residential furniture as well as other interior wood applications.

Environmental Data (as supplied):	VOC less exempt lb/gal:	1.38
	VOC lb/gal:	0.53
	VOC less exempt g/l:	
	VOC g/l:	
	VOC lb/lb Solid:	0.17
	VHAPs lb/lb Solid:	0.00

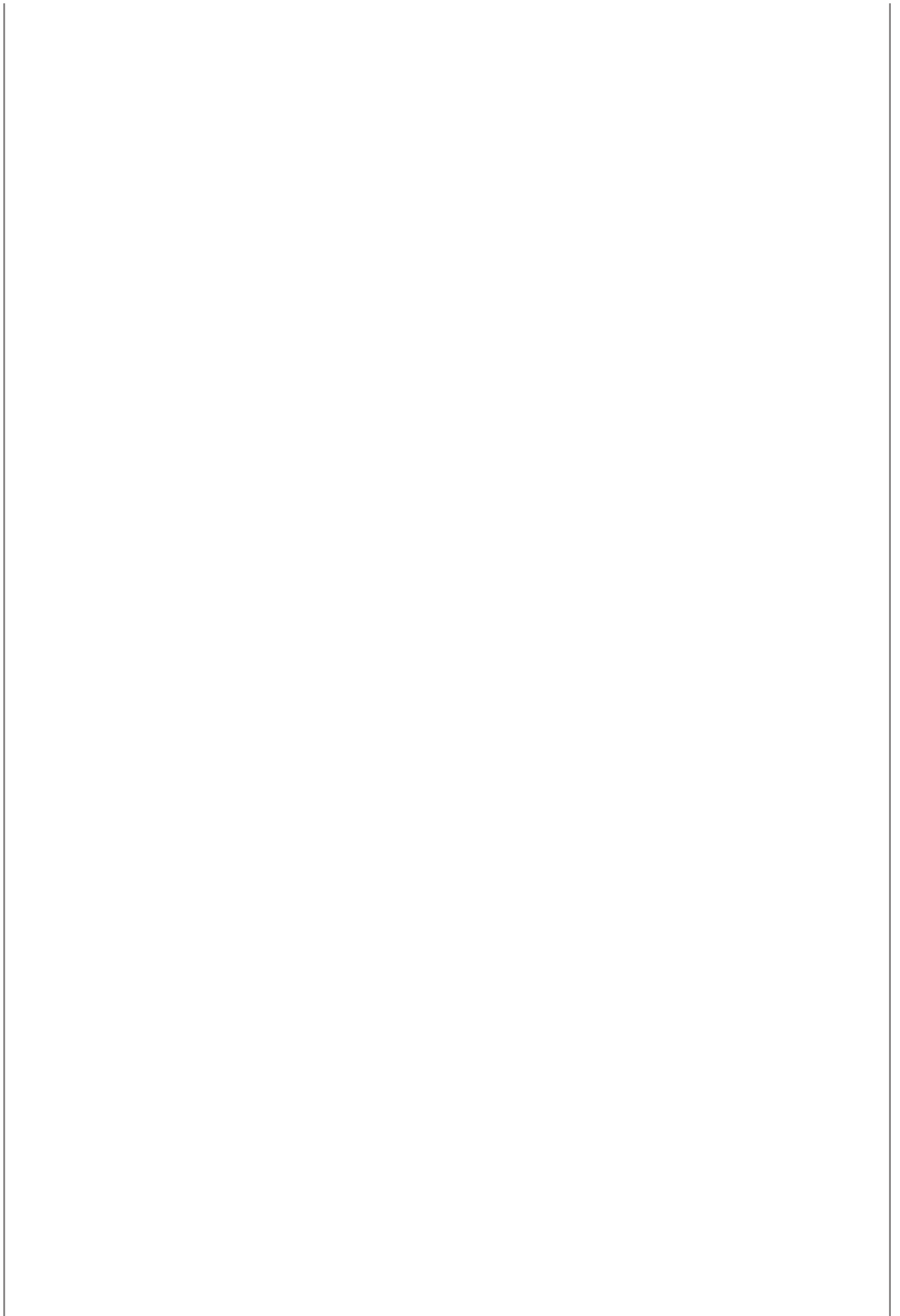
Note:

N/A

Application Data	Suggested Uses:	Spray
	Mixing Ratio:	8% 873-2400
	Suggested Uses:	8 hours
	Application Viscosity:	22-30 sec Zahn #2 at 25°C
	Reducer:	5-15% 121-803 or 121-8020
	Retarder:	800-5328 EEP
	Clean-up Solvent:	Lacquer Thinner
	Recommended Wet Film:	3-5 wet mils
	Coverage:	18 m ² /l (190 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:

Before application of Chemvar, the first coat must be sanded using #280/320 grid stearated paper and free of dust and all contaminants. The topcoat must be applied within a maximum of 8 hours after sanding of the last coat applied. Chemvar must not be applied over metal, old oil finish or nitrocellulose lacquers. Stain systems used under Chemvar should be acid stable.

General Information:

Catalyze and reduce material as recommended. Apply 3 to 5 wet mils on sanded surface. One extra coat can be applied following a complete cure and a sanding with a #280/320 paper. Maximum film build of the top coat should not exceed 3 mils dry. Maximum film build of the system should not exceed 4 mils dry. Chemvar must not be polluted with oil, varnish or the like and must not be sanded with steel wool between coats. Avoid all contact with metallic surfaces

To obtain complete cure, Chemvar must be applied at a temperature above 18°C and relative humidity below 65%. When drying, this product should not be exposed to ammonia vapors. Finished surface must not be cleaned with ammonia containing products. Always use containers and equipment made of plastic or stainless steel to avoid discoloration of the material due to oxidation.

Sealers to use with 421-67XX: 390-001, 390-0060, 401-004 catalyzed, 401-028 catalyzed, 431-1219, 432-1220, 546-8003 and 546-5192.

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:	30 - 45 minutes	Flash off before entering oven
Dry to Sand:	90 - 120 minutes	12 hours
Dry to Stack:	45 - 60 minutes	2 - 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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