MACLAC

Water White Conversion Varnish

R.J. McGlennon Co. Inc. 198 Utah Street San Francisco, CA 94103	<b>Product Line Information Sheet</b>	Phone Fax	(415) 552-0311 (415) 552-8055	
	85 SERIES WATER WHITE LOW VOC CONVERSION V	ARNIS	SH	
Description	The 85 Series Maclac Water White Low VOC Conversion Varni increased durability and performance over lacquers. These produc recommended for use on all wood surfaces. However, this series an architectural coating in California . These products will give of performance even in commercial service - such as bar tops. Note: each product in this series must be catalyzed with Maclac O Conversion Varnish Catalyst prior to application. We recommend Conversion Varnishes be applied over CVS-10 or CVS-11 Vinyl sealer catalyst amount) or self-seal. Conversion Varnishes are offered in the following sheens: CV-1000 Gloss CV-1001 Semi-Gloss CV-1005 Semi-Gloss CV-1003 Rubbed Effect CV-1004 Rubbed E CV-1002 Satin Flat Note: With the exception of the full gloss product, all other gloss are determined by spray application of a standard (1 mil dry film smooth surface and then measured @ 60 degree geometry. Appli coats will give lower gloss values and application of thicker coat gloss values	shes of icts are is not outstand CC-1 (8 d that M Sealer V ss / UV ffect / U / UV s or she ) coat a cation o s will g	fer for use as ling 35 Series) Aaclac (Note UV een values pplied to a of thinner ive higher	
Specifications	Note: Below represent typical values - as catalyzed, see specific Sheets for exact values	catalyzed, see specific Product Data		
ţ	Weight per Gallon: 7.75Coating VOC: 550 G/L (4.Solids by Weight %: 38.50Material VOC: 504 G/L (4.Solids by Volume %: 31.00VOC Weight Ratio = 1.40 ICoverage @ 1mil = 498 SqFt./Gal.Viscosity: 20 - 25 Second	.58 Lb/0 .20 Lb/ LbVOC onds Za	Gal) Gal.) VLb Solids hn 2	
Surface Preparation	Apply over properly sanded wood surfaces. Ensure that any stains used are compatible with this system. Maclac stains in the 15, 16 and 19 Series are recommended. Glazing products are not recommended. Surfaces must be clear and free of dirt, grease and water. Remove any wax or old finish. <i>We recommend that all Maclac Conversion Varnishes be applied over CVS-10 (Vinyl Sealer or self seal.</i> The use of any other product as a sanding sealer will severely limit the durability and the re-coat properties of these products. No Mac			

## LIMITED WARRANTY

The information contained herein is offered to assist customers in determining whether our products are suitable for their applications. We request that customers examine our products before use and satisfy themselves as to their suitability. We warrant that our products will meet our written specifications. Since application circumstances, substrate condition and product intermix are beyond our control, we cannot guarantee results under all possible situations. R.J. McGlennon Co. Inc. makes no representation as to the results the user will achieve.

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	paint product has ever contained any lead. But if you are preparin with unknown paints please observe the following precautions. W remove old paint, you may release lead dust. LEAD IS TOXIC. CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAC CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID approved respirator to control lead exposure. Clean up carefully mop. Before you start, find out how to protect yourself and your National Lead Information Hotline at 1-800-424-LEAD or log or	ng previously Varning! If ye EXPOSURE GE, ESPECIA EXPOSURE with a HEPA family by conto www.epa	painted surfaces ou scrape, sand, or TO LEAD DUST LLY IN . Wear a NOISH- vacuum and a wet ntacting the .gov/lead.
Mixing & Thinning	All topcoat products in this series must be catalyzed pric Catalyze at the rate of 4 fluid ounces per gallon with Ma Conversion Varnish Catalyst. NOTE: Production 5-5-05 and later: Sealer CVS-10 & C	or to applica oclac CC-1 V CVS-11 are (	ation. Water White catalyzed with 3
	ounces/gallon. Thoroughly mix the material by stirring or shaking prior to After adding the catalyst, the material is ready for application required). The pot life after catalyzing is a about 24 hour 65 Deg F. to 85 Deg F.) NOTE: The best application (apper within the first 8 hours, and after about 8 hours the coating of the amount of material that you will use within this time fra NOTE: you may extend the pot life of material that has been less by adding twice the amount of uncatalyzed material. M before using. Discard any older catalyzed material that has begun to climit hours or older). All Maclac Conversion Varnishes are supprviscosity.	catalyzing a on, (thinning <b>rs (at tempe</b> earance) will may - there me. n catalyzed f ake sure you b in viscosity plied at spray	nd application. is normally not <b>ratures between</b> be achieved fore catalyze only for 24 hours or re-catalyze y (usually 48 y application
Application & Dry	The 85 Series Water White Conversion Varnishes are desig They may be applied with conventional, airless, air-assist air equipment. NOTE: Since catalyzed coatings cure by a chemical reaction product coating wherein the new cost may lift or wrinkle to	ned for sprag irless or HVI	y application only. LP spray times possible to
	happens with very thick coats and force drying. However, for the 85 series, extensive laboratory testing has restrictions, and accordingly we do not anticipate any und conditions. The following explanation and recommendation understand the dry and cure process. These products dry by chemical reaction that takes place within the drying coating The drying action starts at the surface of the applied coating	s not shown fer normal a ns are offere solvent eva , g and proceed	<i>any re-coat</i> <i>pplication</i> d to help the user poration and a ds down through

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R.J. McGlennon Co. Inc. Phone (415) 552-0311 **Product Line Information Sheet** 198 Utah Street Fax (415) 552-8055 San Francisco, CA 94103 the film. Conversion Varnishes will successfully accept another coat when: The previous coat is not vet cured and the next coat will still "melt" into the existing coat. 1. The previous coat has cured enough to resist the solvents in the next coat. 2. For the best results, R.J. McGlennon Company recommends that you apply subsequent coats just after the previous coat is dry to touch or dry enough to sand. At normal temperatures (75 Deg.F) sanding and recoat is between 30 - 60 minutes. Colder or warmer conditions can increase or decrease the dry times. We recommend that if there is any doubt about recoat time that you test a small area: 1. Scuff sand the surface 2. Apply a full coat to a small area 3. Wait about 15 minutes and observe for any tendency to lift. This assumes that each coat is applied to give 1 mil (one-thousandth of an inch) thickness coating after drying. Optimum film thickness is between 2 - 4 mils total dry film thickness. We do not recommend more than 4 - 5 mils dry film thickness on any substrate or wood surface. IMPORTANT: Always test a small area for recoat acceptance before recoating the entire part. Performance The Maclac Conversion Varnishes meet the finish performance specifications required by the & Durability Kitchen Cabinet Manufacturers Association (KCMA) under American National Standards Institute ANSI A161.1-1990 Test Protocol. These Conversion Varnishes have passed the following specified tests: Shrinkage And Heat Resistance • Hot and Cold Check Resistance Chemical Resistance Detergent And Water Resistance Maximum Coating VOC content of 85 series products when mixed and applied per Environmental recommendation is 550 G/L (4.58 Lbs/Gal.) Note, since air quality regulations are not & Safe Handling consistent throughout the country, or within the state of California, always check local air quality regulations before using this product. Note: the dried film of this coating does not contain any EPA or OSHA defined hazardous materials. The only hazardous components are the volatile solvents (VOC), and once they have evaporated the dry finish is considered non-toxic. Warning: flammable mixture. Do not use near heat, sparks, flames, or any ignition sources. Do not cut empty containers. Use only with adequate ventilation. Dispose of any product only in accordance with all applicable regulations. See product material

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safety data sheet titled "85MSD Maclac W/W Conversion Varnishes" for full details.

5/5/05

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