

Maclac Product Line Information Sheet

R. J. MCGLENNON CO. INC.
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98 SERIES 2 PART ACRYLIC URETHANE

Description

The 98 series are 2 part catalyzed Acrylic Urethane coatings. These products are characterized by extreme toughness and durability. The 98 Series 2 part acrylic urethanes may only be used as a self-sealing system. Using any other coating or sealer underneath this product will ruin the performance and durability. The AUS-10 Sealer is a low solids sealer/barrier coat designed to be used under PS-901 Polyester Filler/Sealer, but it may also be used as a penetrating sealer coat. The 98 Series are suitable for use on most wood surfaces. Not for use as a California architectural coating. See individual Product Data Sheets

Do not use any other sealer with this coating.

The following products are available: (All use AH-1 Hardener)

AU-1000 Gloss	(Gloss = 80+)
AU-1001 Semi-Gloss	(Gloss = 50 – 60)
AU-1002 Rubbed Effect	(Gloss = 30 – 40)
AU-1003 Satin Flat	(Gloss = 15 – 25)

NOTE: The sheen (or gloss) of these products is measured by application of 1 coat - to achieve 1 mil dry film thickness. Application is made to a sealed surface, and gloss is measured using 60 degree geometry. Application of thinner coats will give lower gloss values and application of thicker coats will give higher gloss values.

Specifications

Note: These specifications reflect the average values for the products in this series - see the specific product data sheets for exact data. The values below are averages for the products as catalyzed.

Weight per Gallon:	8.0-8.2	Coating VOC:	540-550 G/L (4.50-4.53 Lb/gal)
Solids by Weight %:	40-43	Material VOC:	510-520 G/L (4.25-4.33 Lb/gal)
Solids by Volume %:	33-34	VOC Weight Ratio =	1.20-1.30 Lb VOC/Lb Solid
Coverage @ 1mil	530-550 SqFt./Gal.	Viscosity:	18 - 25 Seconds Zahn 2

Surface Preparation

Apply over properly sanded wood surfaces only. Remove any existing coating system completely. Ensure that any stains used are compatible with this system. The Maclac 15 and 19 Series stains in light to medium colors are recommended. For dark colors contact Maclac for information. Surface must be clean and free of dirt, grease and water. Remove any sanding dust, wax or old finish. Do not use any sealers or primers.

No Maclac paint product has ever contained any lead. But if you are preparing previously painted surfaces with unknown paints please observe the following precautions. Warning! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NOISH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Mixing & Thinning

98 Series topcoats products must be catalyzed at the rate of 4:1 by volume with the AH-1 Hardener.

Mix 4 parts of the base to 1 part of the hardener (volume mix).

NOTE: Partial containers of the AH-1 will have very limited shelf life. Opened containers of AH-1 should be used as soon as possible - they will thicken & gel within a few days.

Optimum pot-life after catalyzing is 2 - 4 hours. Note: the pot life will vary considerably depending on temperature and mixing conditions. Higher temperatures and prolonged mixing will shorten pot life. Best spray appearance is achieved in the first hour of pot life.

Product as supplied is ready to spray after catalyzing. Depending on the air quality district the lower sheen products may allow for some thinning - see individual product data sheets, and check with applicable air district regulations. If the applicator determines that thinning is desirable, then thin only with a urethane grade thinner. (Butyl acetate may also be used). If used as a self-seal system then 10 – 20%

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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.

Technical advice furnished by seller or any seller's agents shall not constitute a warranty. Any liability arising out of any condition resulting from the use of any R.J. McGlennon Co. Inc. product shall be limited to replacement of such product.

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thinning is recommended. Or, AUS-10 may be used as catalyzed for a penetrating sealer coat.

IMPORTANT NOTE: Thinning with non-exempt solvents will increase VOC.

And thinning with one of the "exempt" solvents will not affect the regulatory VOC. If the product is to be used in California - check the individual data sheets and local regulations. Thoroughly mix by stirring or shaking prior to catalyzing and application.

Application & Dry

The best appearance properties will be achieved if applied in the first hour after catalyzing. These Acrylic Urethane coatings are designed for spray application only. They may be applied with conventional, airless, air-assist airless or HVLP spray equipment. Follow the equipment manufacturers recommendations for adjusting spray patterns.

Application of a very thin first coat will ensure good flow of the material and good wetting into the wood. When the thinned material penetrates into the wood, you will get the best adhesion and water resistance. The coating must penetrate all parts of the wood (fine grain pores, sharp edges and butt joints) in order to protect it from moisture penetration and for maximum durability.

Subsequent coats may or may not be thinned, depending on application equipment and environmental conditions. The best time to recoat for building the film thickness is when the previous coat is just beginning to get out of tack (approximately 45 - 60 minutes). This recoat schedule will assure good bonding to the previous coat. Normal dry time for sanding is 1 - 2 hours, and it will vary greatly depending on ambient conditions and film thickness. If additional coats are applied after the previous coat has dried for 24 hours or more, then lightly sand prior to recoating.

Optimum dry film thickness is 2 - 5 mils. You must completely seal the wood for maximum durability.

Performance & Durability

This series of products form an exceptionally tough and durable finish coat for wood. This product line is designed for interior use.

However, many applicators have successfully used these products on exterior wood. We do not generally recommend them for exterior use because the success depends on how well they are applied and the application environment. Furthermore, any other components in the system (stains, glazes, etc.) will have a big effect on the coating toughness. If you have an exterior application see your Maclac representative for recommendations.

These acrylic urethane coatings are resistant to most common solvents, weak acids and alkaline materials. Therefore, residential or commercial surface cleaners are suitable for cleaning this finish. Additionally the 98 Series are very resistant to color change. These products are recommended for most wood surfaces including products in commercial service.

Environmental & Safe Handling

Note: since air quality regulations are not consistent throughout the country, or even within the state of California, check local air quality regulations prior to using this product.

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 material safety data sheets for more information.

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