

MACLAC

ACRYLIC URETHANE

R.J. McGlennon Co. Inc.
198 Utah Street
San Francisco, CA 94103

Product Line Information Sheet

Phone (415) 552-0311
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97 SERIES ACRYLIC URETHANE - COLORS

Description The 97 series are 2 part catalyzed Acrylic Urethane coatings for metal. These products are characterized by extreme toughness and exterior durability. The 97 Series 2 part acrylic urethanes will also work well on wooden substrates as long as surface preparation is appropriate.

The following products are available: (All use AH-2 Hardener)

AU-802 Gloss Black

AU-905 Gloss White

Custom Colors are available. (see your representatives)

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. All values below are for the products as catalyzed and do not include any additional thinning.

Weight per Gallon:	8.01	Coating VOC:	420 G/L (3.50 Lb/gal)
Solids by Weight %:	45.33	Material VOC:	302 G/L (2.52 Lb/Gal.)
Solids by Volume %:	39.13	VOC Weight Ratio =	0.69 Lb VOC/Lb Solid
Coverage @ 1mil	628 SqFt./Gal.	Viscosity:	20 - 25 Seconds Zahn 2
Gloss= 90+ (Gloss is measured at 1 mil DFT on sealed surface @ 60 degrees.)			



Surface Preparation

Apply over properly prepared metal surfaces. We do not recommend this series for application to bare aluminum. See your technical representative. Surface must be clean. Remove any dirt, oil, grease or solvent sensitive finish. If priming is desired, two part epoxy primers are the best. One part non-lift primers may also be used, but these tend to weaken the overall strength of the system. Galvanized surfaces may require a chemical etch prior to coating application. For wood we recommend you use this as a self-sealing system. 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

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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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

These products must be catalyzed at the rate of 4:1 by volume with the AH-2 Hardener.

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

NOTE: Partial containers of the AH-2 will have very limited shelf life. Opened containers of AH-2 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 after mixing.

Product as supplied is ready to spray after catalyzing. No thinning is recommended in certain air quality districts. However If the applicator determines that thinning is desirable, then thin only with a urethane grade thinner. (Butyl acetate may also be used).

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

Therefore, if this product is to be used in California - then either use as catalyzed without any thinning, or thin only with Acetone, as this is an exempt solvent which will not increase the VOC content. 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 HVLSP spray equipment. Follow the equipment manufacturers recommendations for adjusting spray patterns.

Possible, we recommend thinning the first coat of material about 10 to 20% . Thinning the first coat will ensure good flow and wetting of the substrate.

If the material wets the substrate very well you will get the best adhesion, and thereby the best durability.

Subsequent coats may or may not be thinned, depending on application

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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.



Performance & Durability

We advise thorough performance testing of films over 6 mils. This series of products form an exceptionally tough and durable finish coat for metal and wood.

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 97 Series are very resistant to color change. These products are recommended for high performance and commercial applications.



Environmental & Safe Handling

Maximum Coating VOC content when applied as per instructions is 420 G/L (3.50 Lbs/Gal.) 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 sheet titled "97MSD Acrylic Urethane" for full details on the base components. and see MSDS titled "97-C1 AH-2 Acrylic Urethane Hardener" for details on the hardener component.

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