

Maclac Product Data Sheet

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98 SERIES AU-1003 SATIN FLAT ACRYLIC URETHANE

Description

Maclac 98 Series is a 2 part catalyzed Acrylic Urethane coating. This product is characterized by extreme toughness and durability. This product may be used only as a self-sealing system, or see AUS-10 Acrylic Urethane Sealer Coat data. Do not use any other sealer with this coating. Not for use as a California architectural coating. See the 98 Series Product Line Information Sheet for more details.

Specifications

Note: These specifications refer to the **product as admixed using AH-1 without any additional thinner**

Weight per Gallon:	8.12	Coating VOC:	540 G/L	(4.50 Lb/gal)
Solids by Weight %:	42.49	Material VOC:	508 G/L	(4.23 Lb/gal)
Solids by Volume %:	34.69	VOC Weight Ratio =	1.22 Lb VOC/Lb Solid	
Coverage @ 1 mil:	556 SqFt./Gal.	Gloss =	15-25 @ 60 Deg	
Viscosity:	19-23 Seconds Zahn 2			

Surface Preparation

Apply over properly sanded wood surfaces. Ensure that any stains used are compatible with this system. Maclac 15 Series stains in light to medium colors are recommended. Dark stains with high pigment and/or oil content will reduce adhesion. Surface must be clean and free of dirt, grease and water.

Remove any sanding dust and any previous existing finish. Do not use any other 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 NIOSH-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

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

Mix 4 parts of the base to 1 part of the hardener.

Average pot-life after catalyzing is 2 - 4 hours. Note: the pot life will vary depending on temperature and mixing conditions. Higher temperatures and prolonged mixing will shorten pot life. **Also note that you will get the best spray appearance if you apply in the first hour after mixing.**

Once the material is catalyzed it begins to change, and the appearance and or gloss may change. Generally the material begins to rise in viscosity and orange peel may appear, and about half way through usable pot life the sheen of lower sheen products will decrease. If thinning is desired – then a urethane grade thinner must be used. If regulations do not allow thinning, then a VOC exempt thinner may be used. **NOTE: Thinning with non-exempt solvents will increase VOC.** Thoroughly mix the material by stirring or shaking prior to application.

Application & Dry

This Acrylic Urethane coating is designed for spray application only. It may be applied with conventional, airless, air-assist airless or HVLP spray equipment. Follow the equipment manufacturers recommendations for adjusting spray patterns. **Use as a self-sealer only.** Sand after first (sealer) coat. Normal dry time for sanding is 1 – 2 hours. Optimum dry film thickness is 2 - 5 mils. 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 minutes). This recoat schedule will assure good bonding to the previous coat. If a coat has dried for 24 hours, then lightly sand before recoating.

Performance & Durability

This product forms an exceptionally tough and durable finish coat for wood. This acrylic urethane coating is resistant to color change and is recommended for use on most wood surfaces.

Environmental & Safe Handling

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 full details.

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.