

MACLAC

Aqualac

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

Product Line Information Sheet

Phone (415) 552-0311
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62 SERIES WATERBORNE PRECATALYZED CLEAR TOPCOATS

Description Aqualac Precatalyzed Lacquers are high quality waterborne topcoats for wood finishing. These waterborne lacquer topcoats apply easily, flow out well, and dry to a tough film with excellent build. For exceptional results use these products over Aqualac QS-136 Waterborne Sanding Sealer. Available in 3 standard gloss ranges:

QF-206 Flat
QF-205 Semi-Gloss
QG-146 Gloss

Specifications These are typical values only - see specific product data sheets for exact figures:

Weight per Gallon: 8.40-8.50 Coating VOC: 240-275 G/L 2.00-2.29Lb/Gal
Solids by Weight %: 27.00-31.00 Material VOC: 80-100 G/L 0.66-0.83Lb/Gal
Solids by Volume %: 25.00-28.00 Coverage @ 1 Mil: 400-450 Sq.Ft./Gal
VOC Weight Ratio = 0.25 - 0.33 LbVOC/Lb Solid



Surface Preparation 62 Series Precatalyzed Waterborne Lacquer topcoats are best applied to wood that has been sealed with QS-136 Waterborne Sanding Sealer and sanded smooth. Do not apply this product over any previously finished surface. Remove sanding dust, grease, oil, or other surface contaminants prior to application. 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 62 Series Precatalyzed Waterborne Lacquer topcoats should be used as supplied. If lower viscosity is required, heating the material to 75° F is usually adequate and preferred over the addition of water, water may be used, but 5-10% maximum only is recommended.

Application & Dry Aqualac Precatalyzed Waterborne Lacquers are easily applied with conventional, airless and HVLP spray equipment. One full wet coat usually produces an excellent finish. If more build is required, Aqualac should be lightly sanded prior to second

LIMITED WARRANTY

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application. Total dry film thickness should not exceed approximately 4-5 mils. The drying time for sanding or recoat under standard conditions (75 Deg F. @ 50% relative humidity) is approximately 20 minutes. Lower temperatures and higher humidity will extend the dry time. Do not apply below 65 Deg F.

Users should contact equipment suppliers for more information

Application Equipment:

Conventional

Pressure pot or siphon: 40-50 psi atomizing pressure with 5-10 psi pot pressure.

H.V.L.P.

Binks Mach I: Use #95 air cap with #91 tip at 70-80 psi atomizing pressure and 10-15 psi fluid pressure. (Verify proper fluid pressure visually by turning atomizing air off and confirming the fluid stream will travel to no more than 2 feet).

Graco Optimizer:

Use 0.20 to 0.55 air cap, 0.55 tip at 70-80 psi atomizing pressure and 10-15 psi fluid pressure. (Verify proper fluid pressure visually by turning atomizing air off and confirming the fluid stream will travel to no more than 2 feet).

Airless

Graco Contractor Gun: Use 0.09, 0.11, 0.13 (9, 11 or 13) tip with 1800-2200 Lbs fluid pressure. Use 100 mesh filter in gun only (no other fine filters or guns are recommended as they have a tendency to bubble the waterborne materials).

Air-Assisted Airless

Binks Mach II with Gemini Pump: Use 0.11, 0.13 (11 or 13) tip with 70-90 Lbs fluid pressure and 40-50 psi atomizing air.

Binks Mach II 41-11382 with Comet 3-C S.S. Pump: Use 0.09, 0.11, 0.13 (9, 11 or 13) tip with 800-900 Lbs fluid pressure and 50 psi atomizing air.

Turbine Unit

Generally Turbine Type spray units are ***not recommended*** for spraying waterborne lacquers because they do not supply enough atomizing air to break-up the lacquer properly.

Performance & Durability

Aqualac Precatalyzed Waterborne Lacquers form a very durable finish with an excellent balance of clarity, flexibility, and hardness. These products exhibit resistance to alcohol and mild household cleaners. Aqualac is non-yellowing and is cold check resistant when applied as recommended. Precatalyzed Aqualac has been tested for resistance to several common household cleaning compounds. The test is a one hour

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spot exposure test, which is more severe than ordinary cleaning operations. The cleaning compounds are ranked according to the degree of effect;

1 = least effect

<u>Cleaning Compound</u>	<u>1 Hour Exposure Results</u>
1. Pledge - Johnson's Lemon	No effect
2. Murphy's Oil Soap (diluted per label)	No appreciable effect
3. 409 Glass & Surface Cleaner	Very slight soften
4. 409 All Purpose Cleaner Slight	Soften & swell
5. Wood Doctor (aerosol can) Slight	Soften - slow recovery
6. Lysol Anti-Bacterial Kitchen Cleaner	Softens & swells
7. Fantastic	Softens & swells
8. Parson's Pro Clean	Softens, swells & darkens
9. Mr. Clean Glass & Surface Cleaner	Softens, swells & darkens
10. X-14 Kitchen Cleaner	Softens, swells & darkens

Based on the results of the above tests, if you use Aqualac Precatalyzed Clears without the 62-C1 Co-reactant as explained below, then you may only use Johnson's Lemon Pledge or Murphy's oil soap for regular cleaning.

If your application requires resistance to the above listed cleaning agents then we also offer "62-C1" Co-reactant for the Precatalyzed Aqualac Series. Use of this co-reactant will substantially increase the chemical resistance of the cured coating.

When this component is used, and Precatalyzed Aqualac is tested as per above, it will effectively withstand the cleaning compounds listed. See the 62-C1 Product Data Sheet for more details.

Environmental & Safe Handling Aqualac is non-flammable and the dried film is non-toxic. Use only with adequate ventilation. Dispose of any product only in accordance with all applicable regulations. Clean-up can usually be accomplished with water or a water-detergent combination. See material safety data sheet titled "62MSD Aqualac Precatalyzed Coatings " for more details.

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