

# MACLAC

## LOW VOC STANDARD LACQUERS

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

### Product Line Information Sheet

Phone (415) 552-0311  
Fax (415) 552-8055

### 33 SERIES LOW VOC NITROCELLULOSE LACQUERS

**Description** 33 Series Lacquers are high solids coatings that have a low VOC content and application properties equivalent to standard lacquers. With proper application, the 33 Series Lacquers flow out beautifully and dry fast to a hard film. These lacquers work well on many wood surfaces, but they perform best on open grain woods such as oak. For better performance on hardwoods with tight grain we recommend using our low VOC water white lacquers (29 Series). For superior results use our low VOC precatalyzed (80 Series) systems. Note: the 33 Series Lacquers will work best for those products that will have no exposure to water. These compliance lacquers impart a warm amber look to wood; therefore, we do not recommend this system for use over white stains or those applications that require very pale or water white finishing systems. Maclac S-140 Low VOC Sanding Sealer is recommended for use with this system. These lacquers are offered in 3 standard gloss ranges:

G-156 Gloss  
F-230 Semigloss  
F-231 Satin Flat

**Specifications** Note: These are typical values for this system. See specific Product Data Sheets for exact data.

Weight per Gallon: 7.4 - 7.55 Coating VOC: 550 G/L 4.58 Lb/gal  
Solids by Weight %: 24.0 - 26.0 Material VOC: 285-300 G/L 2.37-2.50 Lb/gal  
Solids by Volume %: 17.0 - 19.0 VOC Weight Ratio = 1.25-1.29 LbVOC/Lb Solid  
Coverage @ 1mil 315-345 SqFt./Gal.  
Viscosity: 26 - 30 Seconds Zahn 2



**Surface Preparation** Ensure that any stains used are suitable for this system. Apply over properly sanded and sealed wood surfaces. Maclac S-140 Low VOC Sanding Sealer is recommended. Surfaces must be clean and free of dirt, grease and water. Remove any wax or old finish. 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](http://www.epa.gov/lead).

#### 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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**Mixing & Thinning** These products are supplied close to application viscosity. For some applications additional thinning will improve application and performance. Note: in some air quality districts you will have to thin with VOC exempt solvents. Contact your local air quality district for more information. Thinning with acetone does not change the VOC, but acetone may not improve application, as it evaporates very fast. Fast evaporating solvents increase blush tendency, and do not help warm weather flow out. *Note: any additional thinning with non-exempt thinners will increase the VOC content.* Thoroughly mix the material by stirring or shaking prior to application.

**Application & Dry** 33 Series Lacquers are designed for spray application only. They may be applied with conventional, airless, air-assist airless or HVLP spray equipment. Since application conditions and equipment configurations are so changeable, it is impracticable to address all situations. Keep in mind that the material might need to be adjusted with lacquer thinner and/or lacquer retarder for some application equipment and conditions. The 33 Series Lacquers will dry to touch within 20 minutes under standard conditions, (when applied to approximately 1 mil dry film thickness). R.J. McGlennon Co. recommends application of an optimum total film thickness of between 2 to 4 mils dry film thickness. Apply 1 coat of sanding sealer, and build the coating to the desired thickness with 1 or 2 coats of topcoat - do not try to build coating thickness with the sanding sealer. R.J. McGlennon Company recommends that you do not exceed 4 mils total dry film.

**Performance & Durability** 33 Series Lacquers will form a strong coating for wood. This is an excellent general-purpose compliance lacquer system for wood substrates. These materials are suitable for products that will have no or very limited water exposure. Since these lacquers are standard nitrocellulose quality lacquers, they will give the wood a warm amber look; therefore, R.J. McGlennon Co. does not recommend the use of these finishes over white stains.

**Environmental & Safe Handling** Maximum Coating VOC content as supplied is 550 G/L (4.58 Lbs/Gal.) Since air quality regulations are not standard throughout the country, the user is cautioned to check local requirements 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 product material safety data sheet titled "33MSD, Low VOC Standard Lacquers" for full details.

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