

# Maclac Product line Information Sheet

R. J. MCLENNON CO. INC.  
198 UTAH STREET  
SAN FRANCISCO, CA 94103

PHONE (415) 552-0311  
FAX (415) 552-8055

## 204 SERIES 275 WATERWHITE CLEAR LACQUERS

### Description

The 204 series 275 Lacquers are a compliance system wherein the lacquers have to meet 275 G/L VOC. The topcoats are companion products to WWX-2000 275 Waterwhite Sanding Sealer. These lacquers are recommended for use on all commonly used wood surfaces. However, for high moisture areas we recommend our precatalyzed lacquers. Most lacquers in this product line are also available with Ultraviolet Light Blocker.

Available in the following sheens:

WWX-2001	Gloss	WWX-2006	Gloss / U.V.
WWX-2004	Semi-Gloss	WWX-2007	Semi-Gloss / U.V.
WWX-2003	Rubbed Effect	WWX-2008	Rubbed Effect / U.V.
WWX-2005	Satin Flat	WWX-2009	Satin Flat / U.V.
WWX-2002	Dead Flat	WWX-2010	Dead Flat / U.V.
WWX-2000	Sanding Sealer	WWX-2011	Sanding Sealer / U.V.

### Specifications

Note: below represent typical values only - see specific Product Data Sheets for exact values.

Weight per Gallon: 7.6 - 7.9	Coating VOC: 275 G/L (2.29 Lb/gal)
Solids by Weight % 19 - 21	Material VOC: 60 - 63 G/L (0.50 - 0.52 Lb/gal)
Solids by Volume %: 14 - 16	VOC Weight Ratio = 0.32 - 0.35 Lb VOC/Lb Solid (Avg.)
Coverage @ 1 mil = 270 - 280 SqFt./Gal.	
Viscosity: 18 - 22 Seconds Zahn 2	

### Surface Preparation

Apply over properly sanded wood surfaces. Ensure that any stains used are compatible with this system. These products have been tested with Maclac 15 and 19 series stains. 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 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 1-2040-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

### Mixing & Thinning

204 Series are all supplied at ready to spray viscosity. Normally, no further thinning is required. However, under certain application conditions The applicator may wish to add thinner. A VOC exempt solvent such as acetone or Oxsol (PCBTF) may be used in those districts where you cannot change the VOC. Non-exempt thinners may be used in areas where the VOC may be higher.

NOTE: some California air quality district regulations allow additional thinning during adverse environmental conditions, while others do not - this varies by regulation and by the district - check with your local district first.

Note: R.J. McGlennon Company does not recommend the addition of any outside additives. We have not tested the compatibility of many of these additives with our lacquers so we cannot state whether or not they will be of benefit.

We have determined that you cannot use Smoothie I (1) in our 275 lacquers as it is incompatible.

For improved flow and leveling we recommend you use our LVAD-1 flow enhancer.

### Application & Dry

**204 Series Lacquers** are designed for spray application only. They may be applied with conventional, airless, air-assist airless or HVLP spray equipment. It is vital that the first coat of lacquer applied to the wood (either stained or natural) be applied so as to achieve

#### 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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thorough penetration of the lacquer into the wood. The first coat must penetrate the grain and the pores in order to achieve adhesion and moisture resistance. Note: See "Maclac Lacquers for Wood, Then and Now" article for further discussion of this concept.

## Performance & Durability

The 204 series products are designed as a water white quality lacquer system. They are a tough and durable interior lacquer. However, since any nitrocellulose lacquer system will yellow with time, R.J. McGlennon Co. recommends using this *water white* system over white stains in order to slow the natural yellowing process.

Proper cleaning and maintenance of these finishes is required for good service life. It is imperative that the owners properly maintain the finish in order to achieve expected performance.

The most common problem associated with improper maintenance is water damage. This is where water accumulates under the finish for a period of time and soaks into the wood. Once the water soaks into the wood, the wood swells up and breaks the coating loose. Those areas where the lacquer coating has broken loose will look white or milky. The lacquer itself has not been directly damaged by water, but rather the lacquer has been broken loose due to the swelling action of the wood. It is the wood that has been damaged under the lacquer.

When Maclac lacquers have been properly applied to wood, the wood surface becomes water resistant but NOT WATERPROOF. This means the surface will withstand temporary water exposures, but not long term water soaking. Any drops, puddles or standing water must be removed immediately.

The 204 Series lacquers are best cleaned with mild household (waterborne) cleaning agents. We have not found any adverse effects as long as the recommended cleaning directions are followed. After a light application of cleaning agent it is essential to dry the area with a soft cloth.

We recommend you always test a small area first to make sure the cleaner does not have any adverse effects. Do not use any abrasive cleaning products on these lacquer surfaces

## Environmental & Safe Handling

Warning: flammable mixture. Do not use near heat, sparks, flames, or any ignition sources. Do not cut empty containers. Use only with adequate ventilation.

Since air quality regulations are not consistent throughout the country, or even within the state of California, always check with your local air quality district prior to using these products.

Soak up spills with inert absorbent. Since hazardous waste regulations are not consistent throughout the country contact your local hazardous waste agency with information from the MSDS to get instructions for proper disposal. Section 2 of the MSDS contains components considered hazardous in the product as supplied. See the material safety data sheet for more information.

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