

Maclac Product line Information Sheet

R. J. MCGLENNON CO. INC.
198 UTAH STREET
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208 SERIES 275 HI-SOLIDS CLEAR LACQUERS

Description

The 208 series Series Lacquers are high solids coatings that have a low VOC content and application properties equivalent to standard lacquers. With proper application, the 208 Series Lacquers flow out beautifully and dry fast to a hard film

Note: the 208 Series Lacquers will work best for those products that have minimal 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. 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 275 VOC water white lacquers. The lacquers in this series have an amber cast.

Available in the following sheens:

LUX-2000 Hi-Solid Gloss
LUX-2001 Hi-Solid Semigloss
LUX-2002 Hi-Solid Rubbed Effect
LUX-2003 Hi-Solid Satin Flat
SUX-2004 Hi-Solid Sanding Sealer

Specifications

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

Weight per Gallon: 7.6 - 7.8	Coating VOC: 275 G/L (2.29 Lb/gal)
Solids by Weight % 24 - 25	Material VOC: 75 - 81 G/L (0.62 - 0.68 Lb/gal)
Solids by Volume %: 18.1 - 18.9	VOC Weight Ratio = 0.32 - 0.34 Lb VOC/Lb Solid (Avg.)
Coverage @ 1 mil = 295 - 320 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. 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 1-2080-424-LEAD or log on to www.epa.gov/lead.

Mixing & Thinning

208 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

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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208 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 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 208 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. This series of lacquers is for interior use only.

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 208 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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