



LOW VOC MACTEK

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

## Product Data Sheet

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

### 42 SERIES U-199 RED OXIDE LOW VOC PRIMER

**Description** Fast drying, high solids low VOC rust inhibitive modified alkyd primer for use on steel surfaces. This Low VOC primer is lead and chromate free and will dry to touch in 20 minutes; with dry to handle in 1 to 2 hours (under standard conditions at 1 mil dry film thickness).

**Specifications**

Weight per Gallon:	10.50	Coating VOC:	340 G/L	2.83 Lb/Gal
Solids by Weight %:	58.51	Material VOC:	208 G/L	1.73 Lb/Gal
Solids by Volume %:	37.16	VOC Weight Ratio =	0.274 LbVOC/Lb Solid	
Coverage @ 1 mil:	596 SqFt./Gal.			
Viscosity:	35 - 30 Seconds Zahn 2	Gloss:	Flat	

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**Surface Preparation** Surfaces must be commercially clean and free of dirt, grease and water. Remove any rust deposits. Any existing coatings should be checked for integrity and compatibility and sanded for adhesion and appearance.

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).

**Mixing & Thinning** Product as supplied is ready to spray. If any thinning is required, then we recommend thinning with Acetone, as this will not change the Coating VOC content. Additional thinning with a non-exempt thinner will raise the Coating VOC content. Thoroughly mix the material by stirring or shaking prior to application.

**Application & Dry** This primer is designed for spray application only. It may be applied with conventional, airless, air-assist airless or HVLP spray equipment. U-199 will dry to touch within 20 minutes, and dry for light handling in about 1 hour when applied to approximately 1 mil dry film thickness. We recommend allowing dry times of 24 hours per mil for rugged handling. U-199 may be topcoated with enamels, lacquers, and most DTM waterborne coatings.

**Performance & Durability** Passes 200 hours Salt Spray testing as per ASTM B-117 when applied to 2 - 3 mils dry film (tests performed on phosphate treated "Q" panels).  
Tape test adhesion to steel as per ASTM D3359-78: passes 4B to 5B.

**Environmental & Safe Handling** Maximum Coating VOC content as supplied is 340 G/L (2.83 Lbs/Gal.) 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 "42MSD - Mactek Low VOC High Solids Primers" 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.