



MPC188

2K Epoxy Primer

MAP-LVU100

MAP-LVU100 is a 2K epoxy primer formulated to deliver less than 50 g/L VOC at application. This chemically cross-linked coating is designed to offer outstanding adhesion and corrosion resistance over properly prepared substrates. It can be applied by brush and roll application as well as by spray, and it is compatible with MAP® series topcoats.



Features:

- Ultra low VOC (< 50 g/L at use)
- Compatible over various substrates
- Brush and roll capability

Benefits:

- Excellent corrosion resistance
- Improves adhesion properties

Compatible Surfaces

- Steel
- Wood
- Aluminum
- Previously Painted Surfaces (with proper prep)
- Galvanized Steel
- Masonry
- Fiberglass
- Photopolymer
- Acrylic
- MAP®
- SVOC MAP®
- Satin MAP®
- MAP-LV®

Associated Products:

- MAP-LVX101 Catalyst
- MAP-LVRU01 Reducer Spray

MAP-LVU100

Directions for Use

Surface Preparation:



- Clean substrate using 6405SP Low VOC Cleaner (refer to MPC172 Technical Bulletin).
- Sand the bare metal areas completely with 180 - 220 grit abrasive.
- Sand old finishes with 320 - 400 grit dry by hand or machine.
- Re-clean with 6405SP Low VOC Cleaner.
- Final wipe with a clean tack cloth to remove any residue. Surfaces must be dry before application of primer. Then apply primer.

Mix Ratio:



Spray and Brush & Roll Applications:

MAP-LVU100	MAP-LVX101	MAP-LVRU01
3 parts	1 part	1 part

Pot life of mixture is > 8 hours.

- All components should be mixed thoroughly before using.
- Strain material after mixing.
- Hardener and reducer should be mixed thoroughly before using.
- The usable pot life is approximately 8 hours at 70°F (21°C).
- Additives: None.

Spray Set Up:

Air Pressure:	Conventional:	40 - 50 psi at the gun
	HVLP:	10 psi at the cap
	Pressure Pot:	10 - 12 psi

Gun Set Up:	Siphon feed:	1.6 mm 0.055 fluid tip
	HVLP:	1.4 mm 0.055 fluid tip
	Pressure Pot:	1.2 mm 0.046 fluid tip

Application:



- Apply:
- Apply 1 full wet coat
 - Flash 5 to 10 minutes between coats
 - Follow with a second full wet coat
 - Recommended dry film thickness: 1.5 mils (DFT)

Caution: All 2 component cross-linking stops or slows significantly at temperatures below 60°F or 16°C. Never spray or subject freshly painted coatings to these conditions or poor water and chemical resistance, decreased durability and improper curing will occur.

Drying Times:



Air Dry : Dry time to handle 5-8 hours
70°F (21°C)

Force Dry : 30 minutes at 120°F

Overcoat/Recoat : Can recoat after 2 hours by spray or after 8 hours by roll.
70°F (21°C) Sand after 24 hours air dry before recoat (heat and humidity will shorten Overcoat/Recoat window).

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Total Film Build:

	Wet	Dry	
Minimum :		4 mils	2 mils
Maximum :		10 mils	5 mils

Equipment Cleaning:

Clean equipment promptly with 6405SP Ultra Low VOC Cleaner or an all-purpose compliant cleaning solvent. Acetone should be used for cleanup in environmentally regulated areas. **Note: Do not leave mixed material in equipment.**

Theoretical Coverage:

814 sq. ft.
Theoretical coverage in sq. ft./US gal. Ready-to-Spray (RTS), giving 0.7 mil. dry film thickness (assuming 100% Transfer Efficiency).

Physical Characteristics:

VOC (Packaged):	
MAP-LVU100:	0.11 lbs./gal or 13g/L (less exempts)
MAP-LVX101:	1.13 lbs./gal or 135g/L (less exempts)
MAP-LVRU01:	0 lbs./gal or 0g/L (less exempts)
VOC (Ready-to-Spray):	0.41 lbs./gal or 50g/L (less exempts)
Total Solids by Weight (RTS):	58.42%
Total Solids by Volume (RTS):	50.73%

Precautions:

Caution! Close container after each use. Do not take internally. Keep reach out of children.

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Important:

The contents of this package may have to be blended with other components before the product can be used. Before opening the packages, be sure you understand the warning messages on the labels of all components, since the mixture will have the hazards of all its parts. Improper spray technique may result in a hazardous condition. Follow spray equipment manufacturer's instructions to prevent personal injury or fire. Follow directions for respirator use. Wear eye and skin protection. Observe all applicable precautions.

See Material Safety Data Sheet and Labels for additional safety information and handling instructions.

EMERGENCY MEDICAL OR SPILL CONTROL INFORMATION - US (412) 434-4515; CANADA (514) 645-1320; MEXICO 01-800-00-21-400

Materials described are designed for application by professional, trained personnel using proper equipment and are not intended for sale to the general public. Products mentioned may be hazardous and should only be used according to directions, while observing precautions and warning statements listed on label. Statements and methods described are based upon the best information and practices known to Matthews Paint. Procedures for applications mentioned are suggestions only and are not to be construed as representations or warranties as to performance, results, or fitness for any intended use, nor does Matthews Paint warrant freedom from patent infringement in the use of any formula or process set forth herein. If you require technical assistance, please call us toll-free 800-323-6593.



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