



MPC192

Acrylic Polyurethane Ultra Low VOC Gloss Clear

MAP-LVC208

Matthews Acrylic Polyurethane Ultra Low VOC MAP-LVC208 Gloss Clear is produced from the technology that makes our colors unparalleled in their resistance to the elements.

MAP-LVC208 Ultra Low VOC Gloss Clear is formulated with UV agents that ensure excellent gloss retention and protection of the color and substrate underneath.

MAP-LVC208 Ultra Low VOC Gloss Clear is designed to protect color coated signage components, vinyl graphics and to highlight architectural metals.



Features:

Benefits:

Durable yet flexible film	Impact and mar resistant
Durable gloss finish	Adds depth and appearance
Air-dry or force-dry capable	Fits most shop conditions
Excellent UV resistance	Excellent color and gloss retention; Extended life cycle; Reduced maintenance costs
2K Acrylic polyurethane.....	Resistance to weathering; Resistance to chalking, Long-term durability
Ultra low VOC technology	Environmentally friendly; Complies with most stringent VOC requirements; High solids
Brush and roll capability.....	For use in areas where air spraying is prohibited

Compatible Surfaces:

MAP-LVC208 Acrylic Polyurethane Ultra Low VOC Gloss Clear may be applied over properly prepared:

MAP®
Satin MAP®
Satin VOC MAP®
MAP-LVG Acrylic Polyurethane
MAP-LVS Acrylic Polyurethane
74 777SP Tie Bond Adhesive
274 777SP Tie Bond Adhesive
274 793SP Spray Bond Adhesive

Associated Products:

Catalyst

MAP-LVX270 Catalyst

Reducer

MAP-LVRS01 Cool Temp. Spray Reducer
MAP-LVRS02 Warm Temp. Spray Reducer w/ Extender
MAP-LVRS03 Hot Temperature Spray Reducer w/ Extender 80° & Above
MAP-LVRB51 Brush and Roll Reducer

Accelerator

287 437SP HS Accelerator
MAP-LVA117 Ultra Low VOC Accelerator
47117SP MAP Accelerator

Directions for Use

Substrate should be prepared according to Matthews Substrate Preparation Guide prior to topcoat application.

Note: mix no more product than can be used within time limits listed below:

Application Method	Reducer	Accelerator*	Max load of accelerator per RTS qt	Pot-Life
Spraying	MAP-LVRS01	Not Recommended		1 hour
	MAP-LVRS02 or MAP-LVRS03	287 437SP	1/2 oz	1.5 hours
		MAP-LVA117	1/2 oz	1 hour
		47117SP	1/2 oz	1 hour
Brush and Roll	LVRB51	Not Recommended		1 hour

*Times listed in the chart above are for a full load of accelerator.

- 287 112SP Medium Suede Additive
- 287 113SP Coarse Suede Additive

Gun Set Up:	Siphon Feed:	1.2 - 1.4 mm	0.047 - 0.055 fluid tip
	HVLP:	1.2 - 1.4 mm	0.047 - 0.055 fluid tip
	Pressure Pot:	1.0 - 1.2 mm	0.039 - 0.047 fluid tip

MAP-LVC208

Directions for Use

Application:



Apply:

Apply two full wet coats, allowing proper flash time* between coats. Apply additional coats as necessary to achieve total dry film thickness.

*Flash times will vary dependent upon film thickness, temperature, solvent selection, spray gun set-up, application, etc.

Recommended

Film Thickness:

Wet Film Thickness (WFT)

Per Coat

2 - 3 mils

Total

4 - 6 mils

Dry Film Thickness (DFT)

1 mils

2 mils

Caution: All 2-component crosslinking slows significantly at temperatures below 60°F or 16°C. Never spray or subject freshly painted coatings to these conditions or loss of gloss, decreased durability and improper curing can occur.

Estimated Drying Times:



Air-Dry @ 50% Relative Humidity, 70°F/21°C
LVC208 (Mixed 3:1:1 with LVX270 and Reducer)

Reducer	Accelerator*	Dust Free	Set to Touch	Dry to Handle	Tape Time	Vinyl Application (2-3 mils)	Reflective Metallic Vinyl Application
MAP-LVRS01	Not recommended	10-15 minutes	25-35 minutes	45-60 minutes	1-2 hours	8-11 hours	16-22 hours
MAP-LVRS02 or MAP-LVRS03	287 437SP	10-15 minutes	15-20 minutes	25-40 minutes	1-1½ hours	7-10 hours	12-16 hours
	MAP-LVA117	10-15 minutes	15-20 minutes	25-40 minutes	1-1½ hours	7-10 hours	12-16 hours
	47117SP	10-15 minutes	15-20 minutes	25-40 minutes	1-1½ hours	7-10 hours	12-16 hours

*Times listed in the chart above are for a full load of accelerator.

Recoating: Paint films cured over 24 hours should be cleaned, lightly dry scuff sanded with 320 – 400g by hand/machine or wet sanded with 600g, then cleaned again before recoating.

Force Dry: Allow 30 minute purge before baking to prevent solvent popping. Bake for 40 minutes at 140°.

Equipment Cleaning:

Clean equipment promptly with any low VOC all-purpose cleaning solvent. Acetone should be used for cleanup in environmentally regulated areas.

Note: Do not leave mixed material in equipment.

Technical Data:

VOC Information

VOC Actual RTS

0.18 – 1.85 lbs/gal

VOC Actual RTS

22 – 221 g/L

VOC Regulatory (less water less exempt) RTS

0.36 – 2.30 lbs/gal

VOC Regulatory (less water less exempt) RTS

43 – 276 g/L

For complete VOC information, visit MatthewsPaint.com > Quick Links > VOC Data

Performance Characteristics

Volume solids (RTS)

45.28% - 54.88%

Theoretical Coverage (1 mil @ 100% transfer efficiency)

727 - 761 sq.ft./RTS gal

Application Conditions - Temperature

60°F (16°C) Minimum

100°F (38°C) Maximum

Application Conditions - Relative Humidity

85% maximum 5° above dew point

MAP-LVC208

**Acrylic Polyurethane
Ultra Low VOC Gloss Clear**

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 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.



The World's Finest Coating For Architectural Signage

760 Pittsburgh Drive
Delaware, OH 43015
Toll Free: 800/323-6593
Toll Free FAX: 800/947-0377