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:

- Ultra low VOC (< 50g/L at use)
- Hard yet flexible film
- Air dry or force-dry capable
- Exceptional UV resistance and high-gloss finish
- Brush and roll capability (without additional additive requirement)

Benefits:

- Excellent topcoat protection for MAP-LV color, gloss retention and longer life
- Great impact, mar and abrasion resistance
- Excellent chemical and corrosion resistance

Associated Products:

- MAP-LVX270 Catalyst
- MAP-LVRS01 Spray Reducer
- MAP-LVRS02 Extended Pot Life Reducer
- MAP-LVRS03 Hot Temperature Reducer 80° & Above
- Any MPC Primer
- MAP-LVA117 Accelerator (optional)
- MAP-LVRB51 Brush and Roll Reducer
- MAP-LVU100 White Epoxy Primer
- MAP-LVU200 Tintable Primer
- Any Conventional, Low VOC or MAP-LV Color

Compatible Surfaces

MAP-LVC208 Acrylic Polyurethane Gloss Clear may be applied over:

- All MAP®, Satin MAP®, Satin VOC MAP® and MAP-LV Acrylic Polyurethane colors
- Steel
- Aluminum
- Wood
- Previously painted surfaces (with proper prep)
- Masonry
- Fiberglass
- Expanded PVC
- Photopolymer
- Acrylic

MAP-LVC208

Directions for Use

Surface Preparation:

Substrate should be prepared according to product instructions prior to clearcoat application.

Mix Ratio:



MAP-LV Solid or Clear	LVX270	MAP-LVRB51, LVRS01, LVRS02 or LVRS03	with MAP-LVA117
3 parts	1 part	1 part	
3 parts	1 part	1 part	4oz/RTS gallon*

* Not recommended for use in MAP-LVG product with LVRS01

- All components should be mixed thoroughly before using.
- Strain material after mixing.
- Mix no more than can be used within pot-life depending on reducer. Refer to chart on page 3.

Additives:



None required, but the following may be used for specific application or project needs:

MAP-LVA117

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:	1.4 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: 1.5-2 mils (DFT)

Drying Times:



Air Dry : 50% humidity @ 70°F	Dry time to handle 2 -5 hours without accelerator. After 24 hours scuff surface before clearcoat.
Force Dry :	30 minutes at 120° F
Full Cure :	10-14 days

Dry Times For Using LVA117 Accelerator

Tape Times:	2 hours (Without LVA117—24 hours or more)
Vinyl Application:	2ml-3ml—8 hours (Without LVA117—48 hours or more)
Reflective/Metallics Application:	24 hours (Without LVA117—96 hours or more)

Directions for Use

Impact of Mix Ratio on Pot Life, Dry Time and VOC

Mix and Ratio							In Satin Product				In Gloss Product			
MAP-LVG/S/C	MAP-LVX270	MAP-LVRS01	MAP-LVRS02	MAP-LVRS03	MAP-LVA117		Pot Life (hr:min)	Dry to Touch (hr:min)	VOC grams/liter		Pot Life (hr:min)	Dry to Touch (hr:min)	VOC grams/liter	
									Solid	Metallic			Solid	Metallic
3	1	1	0		0		2:30	3:30	<50	<80	0:50	2:30	<50	<80
3	1	1	0		4oz./RTS gl		0:25	0:20	<50	<80	*NR	*NR	*NR	*NR
3	1	0	1		0		>4:00	2:30	<130	<170	>3:00	2:30	<130	<170
3	1	0	1		4oz./RTS gl		2:30	0:20	<130	<170	1:00	0:20	<130	<170
3	1			1	0		>4:00	2:30	<130	<170	>3:00	2:30	<130	<170
3	1			1	4oz./RTS gl		2:30	0:20	<130	<170	1:00	0:20	<130	<170

Pot life is the amount of time before spray viscosity doubles. These are estimates based on lab results at ambient lab temperature and humidity—results will vary based on application conditions. Accelerator may be added up to 4oz per ready-to-spray (RTS) gallon.

* Not recommended

VOC Conversion Equivalents

50 grams/liter = 0.42 lbs/gl
80 grams/liter = 0.67 lbs/gl
130 grams/liter = 1.08 lbs/gl
170 grams/liter = 1.42 lbs/gl

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	lbs/gl	g/L
MAP-LVC208 Gloss Clear	0.35	46.1
MAP Catalyst	0.00	0
MAP Reducers	0.00	0
MAP-LVRS01	0.00	0
MAP-LVRS02	7.68	920
MAP-LVRS03	6.95	833
MAP-LVRB51	0.00	0
VOC Ready to Spray	lbs/gl	g/L
MAP-LVRS01	0.41	49
MAP-LVRS02	1.12	134
MAP-LVRS03	2.29	274

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MAP 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 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.
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