



VOC Gloss Clear

282208SP/01

VOC Gloss Clear 282208SP/01 is a two-component, high gloss 2.8 or 3.5 VOC compliant, acrylic polyurethane clear, which is produced from the same technology that makes our colors unparalleled in their resistance to the elements.

282208SP/01 VOC Gloss Clear is formulated with a UV screening package that ensures protection of the color and substrate underneath.

282208SP/01 VOC Gloss Clear is designed for topcoat applications to protect color coated signage components and vinyl graphics or to highlight architectural metals.



Features:

Benefits:

- | | |
|-----------------------------------|---|
| 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 |
| Low VOC technology | Environmentally friendly; Complies with VOC requirements; High solids |

Compatible Surfaces:

282208SP/01 VOC Gloss Clear may be applied over properly prepared:

- MAP Acrylic Polyurethane
- Satin MAP Acrylic Polyurethane
- Low VOC Satin Acrylic Polyurethane
- 74777SP/01 Tie Bond
- 274777SP/01 Low VOC Tie Bond
- 274793SP/01 Low VOC Spray Bond

Associated Products:

Catalyst

- 283800SP/01*
- *Also available in /04

3.5 VOC Reducer

- 6300SP/01 Cool temperature, 60 - 75°F (16 - 24°C)
- 6301SP/01 Warm temperature, 70 - 85°F (21 - 29°C)
- 6302SP/01 Hot temperature, 80°F (27°C) & above

2.8 VOC Reducer

- 6370SP/01 Cool temperature, 60 - 75°F (16 - 24°C)
- 6371SP/01 Warm temperature, 70 - 85°F (21 - 29°C)
- 6372SP/01 Hot temperature, 80°F (27°C) & above

Accelerator

- 287437SP/08 HS Accelerator
- 47117SP/04 MAP Accelerator
- 287484SP/08 HS Turbo Enhancer
- MAP-LVA117/08 Ultra Low VOC Accelerator

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Directions for Use

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

Mix Ratio:



Mix Ratio for Spraying (by volume)

| | | | |
|-------------|--------------------|----------|------------------|
| 282208SP/01 | 283800SP/01 or /04 | Reducer* | with Accelerator |
| 3 parts | 1 part | 1 part | Optional** |

*Choose VOC MAP reducer

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- 6371SP/01 Warm temperature, 70 - 85°F (21 - 29°C)
- 6372SP/01 Hot temperature, 80°F (27°C) & above
- NOTE: Larger jobs may require a hotter temperature reducer.

**Refer to MPC218 for optional accelerators and amounts.

- For Brushing and Rolling, refer to Technical Data Sheet MPC159.
- All components should be mixed thoroughly before using
- Strain material after mixing



Pot Life: Pot-life is the amount of time before spray viscosity doubles. These are estimates based on lab results at 50% relative humidity, 70°F/21°C—results will vary based on application conditions, reducer selection, and accelerator choice.

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

| Application Method | Accelerator* | Max load of accelerator per RTS qt | Pot-Life |
|--------------------|---|------------------------------------|----------|
| Spraying | Without Accelerator | | 8 hours |
| | 287437SP/08 | 1.5 oz | 2 hours |
| | MAP-LVA117/08 | .5 oz | 45 min |
| | 47117SP/04 | 1 oz | 1 hour |
| | 287484SP/08 | .5 oz | 1 hour |
| Brush and Roll | Accelerator is Not Recommended when brushing or rolling | | 8 hours |

*Times listed in the chart above are for a full load of accelerator. Refer to MPC218 for optional accelerators and amounts.

Additives:



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

- 287112SP/04 Medium Suede Additive
- 287113SP/04 Suede Additive
- 287103SP/01 Low VOC Basecoat Converter
- 47444SP/04 Brush/Roller Additive*
- 287750SP/01 Exempt Flattening Paste
- 47474SP/04 Flex Additive*

*47444SP/04 Brush/Roller Additive and 47474SP/04 Flex Additive can be used in areas with 3.5 VOC regulations

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Directions for Use

Spray Set Up:



Air Pressure: Conventional: 40 - 50 psi at the gun*
HVLV: 10 psi at the cap*
* Refer to spray gun manufacturer recommendations for inlet pressure.



Pressure Pot Fluid Delivery: 8 - 12 Fluid Ounces per Minute



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

Application:



Apply: Apply two full wet coats, allowing proper flash time* between coats. Apply additional coats as necessary to achieve total dry film thickness and/or metallic control.

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

| Recommended Film Thickness: | | Per Coat | Total |
|-----------------------------|--|------------|------------|
| Wet Film Thickness (WFT) | | 3 - 4 mils | 6 - 8 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
282208SP/01 (mixed 3:1:1 with catalyst and reducer)

| Accelerator* | Dust Free | Set to Touch | Dry to Handle | Tape Time | Vinyl Application (2-3 mils) | Reflective Metallic Vinyl Application |
|---------------------|------------|---------------|---------------|------------|------------------------------|---------------------------------------|
| Without Accelerator | 15 minutes | 30 min-1 hour | 1.5-2 hours | 16 hours | 48 hours | 96 hours |
| 287437SP/08 | 15 minutes | 30-45 minutes | 1-1.5 hours | 1 hour | 24 hours | 48 hours |
| MAP-LVA117/08 | 15 minutes | 30-45 minutes | 1-1.5 hours | 45 minutes | 24 hours | 48 hours |
| 47117SP/04 | 15 minutes | 30-45 minutes | 45 min-1 hour | 45 minutes | 24 hours | 48 hours |
| 287484SP/08 | 15 minutes | 30-45 minutes | 45 min-1 hour | 2 hours | 8 hours | 24 hours |

*Times listed in the chart above are for a full load of accelerator. Refer to MPC218 for optional accelerators and amounts.

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 lacquer thinner or equivalent cleaning solvent.

Note: Do not leave mixed material in equipment.

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VOC Gloss Clear

Technical Data:

3.5 VOC Information

| | |
|---|---------------------|
| VOC Actual RTS | 2.72 - 2.81 lbs/gal |
| VOC Actual RTS | 325 - 336 g/L |
| VOC Regulatory (less water less exempt) RTS | 3.02 - 3.12 lbs/gal |
| VOC Regulatory (less water less exempt) RTS | 361 - 373 g/L |

Important: to maintain 3.5 VOC compliance when using accelerators, use no more than .5oz per RTS qt of the following accelerators: 287 437SP, MAP-LVA117, 47117SP, or 287484SP.

2.8 VOC Information

| | |
|---|---------------------|
| VOC Actual RTS | 2.08 - 2.26 lbs/gal |
| VOC Actual RTS | 249 - 271 g/L |
| VOC Regulatory (less water less exempt) RTS | 2.6 - 2.8 lbs/gal |
| VOC Regulatory (less water less exempt) RTS | 311 - 336 g/L |

Important: to maintain 2.8 VOC compliance do not use more than 1.0oz 287 437SP accelerator per RTS quart.

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

Performance Characteristics

| | |
|---|---|
| Volume solids (RTS) | 47.92 - 50.09% |
| Theoretical Coverage (1 mil @ 100% transfer efficiency) | 768 - 803 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 |

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.
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