

Matthews Gloss Clear

42 208SP

Matthews Acrylic Polyurethane (MAP®) 42 208SP Gloss Clear is produced from the same technology which makes our colors unparalleled in their resistance to the elements.

42 208SP Gloss Clear is formulated with UV agents that ensure excellent gloss retention and protection of the color and substrate underneath.

42 208SP Gloss Clear is designed to protect color coated signage components, vinyl graphics and to highlight architectural metals.



Features:

- 2K Acrylic Polyurethane
- UV Resistant

Benefits:

- Chemically Resistant
- Most graffiti wipes right off with the appropriate solvent
- Colors won't fade over time

Compatible Surfaces:

42 208SP MAP® Acrylic Polyurethane Gloss Clear may be applied over:

- All MAP® Acrylic Polyurethane colors
- All Satin MAP® Acrylic Polyurethane colors
- 74 777SP Tie Bond
- 74 793SP Spray Bond

Required Products:

Catalyst

- 43 270SP Universal Catalyst
- 43 621SP Brushing Catalyst (For brush or roller application)
- 43 999SP Slow Catalyst (For hot weather or bake application)

Reducers (Conventional)

- 6379SP Cool temperature, 60 - 75°F (16 - 24°C)
- 45 280SP Warm temperature, 70 - 80°F (21 - 27°C)
- 45 290SP Very warm temperature, 75 - 85°F (24 - 29°C)
- 6396SP Hot temperature, 80°F (27°C) & above
- 45 251SP Retarder

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Directions for Use

Surface Preparation:

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

Mix Ratio:



Mix Ratios (by volume)

42 208SP

| Gloss Clear | MAP Catalyst* | Map Reducer** |
|-------------|---------------|---------------|
| 3 parts | 1 part | 1 part |

* Catalysts that can be used in any MAP topcoats at a 3:1:1 ratio are:

43 270SP Universal Catalyst

43 999SP Slow Catalyst (For hot weather or bake application)

NOTE: If brushing or rolling is required, 43 621SP Brushing Catalyst is recommended at a ratio of six (6) parts paint to one (1) part catalyst to two (2) parts B/R Additive 47 444SP @ (6:1:2) mix ratio.

** Choose MAP reducer best suited for shop conditions



- Clear, catalyst and reducer should be mixed in thoroughly before using.
- Mix no more material than will be used in an 8-hour period.
- Spray viscosity should be 18 - 22 seconds (#2 Zahn cup).
- Strain material following mixing.
- Pot life of mixture is 8 hours at 70°F (21°C), or 2 hours w/ 287 437SP accelerator.

Reducers:

MAP Reducers (Conventional):

| | |
|----------|--|
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Additives:



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

| | |
|--------------------------------|-------------------------------|
| 287 437SP Accelerator | 47 888SP Flattening Paste |
| 47 444SP Brush/Roller Additive | 47 333SP Anti-Crater Solution |
| 47 474SP Flex Additive | |

SOA 955SP Matting Clear (*Note:* This is a flattening paste and cannot be used as a topcoat)

Spray Set Up:



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

Directions for Use

Application:



Apply: 1 full wet coat
Flash 5 - 10 minutes between coats
Follow with a second full wet coat
Apply additional coats as necessary to achieve total dry film thickness.

Recommended

Dry Film Thickness: 2 mils minimum (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 loss of gloss, poor water and chemical resistance, decreased durability and improper curing will occur.

Drying Times:



| Air Dry (50% relative humidity, 70°F / 21°C) | Without Accelerator | With 287 437SP Accelerator |
|---|------------------------|-------------------------------|
| Dust Free | 15 minutes | 15 minutes |
| Tack Free | 2 hours | 1 hour |
| Tape Time | 16 hours | 2 - 4 hours |
| Dry to Handle | 24 hours | 4 hours |

Bake Dry with 43 999SP Slow Catalyst

Allow 10 - 15 minutes flash before baking to prevent solvent popping

60 minutes @ 150°F / 66°C

30 minutes @ 200°F / 93°C

10 minutes @ 300°F / 149°C

Temperatures over 350° / 177°C should be avoided.

Note: Paint films cured over 24 hours should be lightly dry scuff sanded with 320 - 400 grit by hand/machine or 600 wet grit sanded before recoating to assure proper adhesion.

Equipment Cleaning:

Clean up equipment promptly with 45 340SP Cleanz-It or an all-purpose clean up solvent.

Do not leave mixed material in equipment.

Technical Data:

VOC Information

| | |
|------------------------|-----------|
| 42 208SP Gloss Clear | 4.8 - 5.0 |
| MAP Catalyst | 5.3 - 5.8 |
| MAP Reducer | 7.3 - 8.0 |
| Ready to Spray (3:1:1) | 5.0 - 5.5 |

Performance Characteristics

| | |
|--|---|
| Volume solids | 33% |
| Volume solids (RTS) | 27% - 31% |
| Theoretical Coverage (1 mil @ 100% transfer efficiency) | 500 sq.ft./RTS gal. |
| Application Conditions | 60°F (16°C) Minimum 100°F (38°C) Maximum |
| Relative Humidity | 85% maximum 5° above dew point |
| Gloss | High 90° ± 5 units w/ 60° meter |
| Flash Point (Tag closed cup) | Below 80°F (27°C) |

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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.



MATTHEWS PAINT

The World's Finest Coating For Architectural Signage

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