MPC175

Matthews Semi Gloss Clear

SOA 365SP

Matthews Acrylic Polyurethane (MAP®) SOA 365SP Semi Gloss Clear is produced from the same technology which makes our colors unparalleled in their resistance to the elements.

SOA 365SP Semi Gloss Clear is formulated with a UV screening package that ensures excellent gloss retention and protection of the color and substrate underneath.

SOA 365SP is designed to protect color-coated signage components and vinyl graphics or to highlight architectural metals.

Features:	Benefits:
Semi gloss-in-the-can	No additional flattening agent needed; Consistent gloss and finish; Less time to mix
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
Brush and roll capability	For use in areas where air spraying is prohibited
Graffiti Resistant	Most chemical graffiti can be removed with an appropriate solvent once finish is fully cured

Compatible Surfaces:

SOA 365SP Semi Gloss Clear may be applied over properly prepared:

MAP Acrylic Polyurethane
Satin MAP Acrylic Polyurethane
Low VOC Satin Acrylic Polyurethane
74 777SP Tie Bond
274 777SP Low VOC Tie Bond
274 793SP Low VOC Spray Bond

Associated Products:

Catalyst
43 270SP Universal Catalyst
43 621SP Brushing Catalyst
(For brush or roller application)
43 999SP Slow Catalyst
(For hot weather, bake application or for very large substrates)

Reducer
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, to be blended up to 50% with reducer. Not to be used by itself.

Accelerator
287 437SP HS Accelerator
47117SP MAP Accelerator
287 484SP HS Turbo Enhancer
MAP-LVA117 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)

SOA 365SP	43 270SP, 43 999SP	Reducer*	with Accelerator
3 parts	1 part	1 part	Optional**

*Choose MAP reducer

- 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, to be blended up to 50% with reducer. Not to be used by itself.
- 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
	287 437SP	1.5 oz	2 hours
	MAP-LVA117	1 oz	45 min
	47117SP	1 oz	1 hour
	287 484SP	.5 oz	1 hour
Brush and Roll	Not Recommended		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:

- 47 888SP Flattening Paste (refer to MPC204)
- 287 112SP Medium Suede Additive
- 287 113SP Suede Additive
- 74 103SP Low VOC Basecoat Converter
- 47 444SP Brush/Roller Additive
- 47 474SP Flex Additive
- SOA 955SP Matting Clear (refer to MPC205)

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Directions for Use

Spray Set Up:

Air Pressure:
Conventional: 40 - 50 psi at the gun*
HVLP: 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
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

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
SOA 365SP (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
287 437SP	15 minutes	30-45 minutes	1-1.5 hours	1 hour	24 hours	48 hours
MAP-LVA117	15 minutes	30-45 minutes	1-1.5 hours	45 minutes	24 hours	48 hours
47117SP	15 minutes	30-45 minutes	45 min-1 hour	45 minutes	24 hours	48 hours
287 484SP	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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Technical Data:

VOC Information

VOC Actual RTS	4.85 - 5.45 lbs/gal
VOC Actual RTS	581 - 653 g/L
VOC Regulatory (less water less exempt) RTS	4.85 - 5.45 lbs/gal
VOC Regulatory (less water less exempt) RTS	581 - 653 g/L

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

Performance Characteristics

Volume solids (RTS)	27.45%
Theoretical Coverage (1 mil @ 100% transfer efficiency)	500 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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