MPC178

Matthews Satin Clear

42 228SP

Matthews Acrylic Polyurethane (MAP®) 42 228SP Satin Clear is produced from the same technology which makes our colors unparalleled in their resistance to the elements.

42 228SP Satin Clear is formulated with a UV screening package that ensures protection of the color and substrate underneath.

42 228SP Satin Clear is designed for topcoat applications and to protect color-coated signage components and vinyl graphics and to highlight architectural metals.



Features:

- Satin-in-the-Can
- 2K Acrylic Polyurethane
- UV Resistant

Benefits:

- No post-add flattening paste needed
- Consistent gloss from can to can
- Chemically Resistant
- Most graffiti wipes right off with the appropriate solvent

Compatible Surfaces:

42 228SP MAP® Acrylic Polyurethane Satin 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

42 228SP

Directions for Use

Surface Preparation:

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

Mix Ratio:



Mix Ratios (by volume)

42 228SP Satin 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 474SP Flex Additive
47 444SP Brush/Roller Additive	47 333SP Anti-Crater Solution

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
- Apply additional coats as necessary to achieve total dry film thickness.

Recommended
Dry Film Thickness: 2 mils minimum (DFT)

Caution: All 2-component crosslinking 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 ensure proper adhesion.

Equipment Cleaning:

Clean equipment promptly with an all-purpose clean up solvent or any compliant general cleaner.

Do not leave mixed material in equipment.

Technical Data:

VOC Information

42 228SP Satin Clear	4.64
MAP Catalyst	5.13
MAP Reducer	6.91
Ready to Spray (3:1:1)	5.19

Performance Characteristics

Volume solids	37.48%
Volume solids (RTS)	28.31%
Theoretical Coverage *(1 mil @ 100% transfer efficiency)*	454 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	8° - 12° 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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