MPC107

Low VOC Satin Acrylic Polyurethane

Satin VOC MAP®

Satin VOC MAP gives you an easy way to get 3.5 or 2.8 VOC compliance and exceed even the toughest compliance regulations anywhere in the country, including California.

Satin VOC MAP applies, handles, covers and dries with the same extraordinary uniform finish as our conventional MAP® but with a natural satin finish, right out of the can. No more hassles trying to flatten high gloss compliant finishes with a post-add flattening agent.



Features:	Benefits:
• Satin-in-the-can	• No Post-add Flattening Agent
• Long-Term Durability	• Uniform Finish Mix After Mix
	• Less Chance for Error
	• Less time to mix
	• Excellent Chemical and Corrosion Resistance
	• Extremely Hard Finish

Compatible Surfaces:

Satin VOC MAP® HS 2.8 VOC & 3.5 VOC may be applied over:

6001SP Polyester Primer Surfacer
6007SP/6207SP 3.5 Gray Epoxy Primer*
274 228SP/274 229SP E Prime White 2.8
274 685SP/274 686SP U Prime
274 808SP/274 909SP Black Epoxy Primer*
274 908SP/274 909SP White Epoxy Primer*
74 734SP/74 735SP Metal Pretreatment†
74 760SP/74 766SP PT Filler†
74 770SP/74 766SP HBPT†
74 780SP/74 781SP HBEF†
74 777SP Tie Bond Adhesive††
274 777SP Low VOC Tie Bond
274 793SP Low VOC Spray Bond

* 3.5 VOC application only † Specialty treatments, as exempted by local regulations

Required Products:

283 320SP Satin VOC Catalyst

3.5 VOC Reducers

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

2.8 VOC Reducers

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

Satin VOC MAP®

Directions for Use

Surface Preparation:

Substrate should be prepared according to instructions prior to coatings applications.

Mix Ratios:

Mix Ratios (by volume):

2.8 VOC

Satin VOC MAP	283 320SP Satin VOC MAP Catalyst	6370SP, 6371SP or 6372SP Reducer
3 parts	1 part	1 part

3.5 VOC

Satin VOC MAP	283 320SP Satin VOC MAP Catalyst	6300SP, 6301SP or 6302SP Reducer
3 parts	1 part	1 part









- Catalyst and reducer should be mixed thoroughly before using.
- Spray viscosity should be 18 - 22 seconds (#2 Zahn cup).
- Strain material following mixing.
- Pot life of mixture is 8 hours @ 70°F (21°C).

Reducers:

Exempt MAP Reducers (*2.8 VOC*)**:**

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

Low VOC MAP Reducers (*3.5 VOC*)**:**

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

Additives:



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

*287 437SP Accelerator

** Will exceed 2.8 or 3.5 VOC limits*

Spray Set Up:



Air Pressure:

Conventional:	40 - 50 psi at the gun
HVLP:	10 psi at cap
Pot Pressure:	15 - 18 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: One 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)

Cured films MUST be scuff sanded before recoating to obtain maximum adhesion properties.

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.

Factory Pack Colors:

SVOC 1304SP Satin Hi-Hide White

Drying Times:



Air Dry (50% relative humidity, 70°F / 21°C)

Dust Free	20 minutes
Tack Free	30 minutes
Tape Time	16 hours
Dry to Handle	3 hours
Dry to Clearcoat	10 minutes up to 24 hours

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:

2.8 VOC Information

Satin VOC MAP	3.16
283 320SP Satin VOC MAP Catalyst	0.94
6370SP, 6371SP or 6372SP Reducer	Exempt
Ready to Spray (3:1:1)	2.8

3.5 VOC Information

Satin VOC MAP	3.16
283 320SP Satin VOC MAP Catalyst	0.94
6300SP, 6301SP or 6302SP Reducer	6.4
Ready to Spray (3:1:1)	3.33

Performance Characteristics

Volume Solids	36 - 43%
Volume Solids RTS	29 - 33%
Theoretical Coverage (1 mil @ 100% transfer efficiency)	500 sq.ft./gal.
Application Conditions	60°F (16°C) Minimum 100°F (38°C) Maximum
Relative Humidity	85% maximum 5° above dew point
Gloss	Satin
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.
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