



3.5 VOC Gray Epoxy Primer

6007SP/01

6007SP/01 is a gray 2K epoxy primer that can be used in 3.5 VOC compliant areas.

This chemically cross-linked coating is designed to offer outstanding adhesion and corrosion resistance over properly prepared substrates.

It can be applied by brush and roll application as well as by spray, and it is compatible with MAP® series topcoats.



Features:

Low VOC technology	Environmentally friendly, meets 3.5 VOC regulations
Chromate-free	Meets EPA regulations for chromate restrictions
Topcoat with any Matthews Acrylic Polyurethane finishes	Versatile, multi-purpose
Compatible over various substrates	For multiple applications, fewer products to stock
Brush and roll capability	For use in areas where air spraying is prohibited
Epoxy technology	Excellent corrosion resistance, superior adhesion to substrate
Excellent filling properties	Capable of hiding minor metal substrate defects
24 hour topcoat window	No sanding required prior to topcoating within window

Benefits:

Compatible Surfaces:

6007SP/01 Primer may be applied over properly prepared:

Steel	Aluminum	Body filler
Blasted steel	Fiberglass	Masonry
Carbon steel	Previously painted surfaces	Wood
Galvanized steel		

Associated Products:

Catalyst

6207SP/01 Epoxy Primer Hardener

Exempt MAP Reducer (for 3.5 VOC)

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

Note: if 3.5 VOC is not required, any Matthews conventional or low VOC reducer can be used.

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Directions for Use

Surface Preparation:

Substrate should be prepared according to Matthews Substrate Preparation Guide prior to primer application.

Mix Ratio:



Mix Ratio for Spraying (by volume)

6007SP/01	6207SP/01	Reducer*
6 parts	1 part	3 parts

All components should be mixed thoroughly before using.
Strain material after mixing.

*Choose VOC MAP reducer

For 3.5 VOC:

- 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

NOTE: Larger jobs may require a hotter temperature reducer.

If 3.5 VOC is not required, any Matthews conventional or low VOC reducer can be used.



Pot Life: 8 hours

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.

Note: mix no more product than can be used within pot life.

Additives:



None

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: 1.3 - 1.5 mm 0.051 - 0.059 fluid tip
HVLV: 1.3 - 1.5 mm 0.051 - 0.059 fluid tip
Pressure Pot: 1.0 - 1.2 mm 0.039 - 0.047 fluid tip

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Directions for Use

Application:



Apply:

Apply two full wet coats, allowing proper flash time* between coats. Apply additional coats as necessary to achieve total dry film thickness.

*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)	2.5 - 3.5 mils	5 - 7 mils
Dry Film Thickness (DFT)	0.75 - 1.0 mils	1.5 - 2.0 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

Dust Free	15 minutes
Dry to Touch	30 minutes
Dry to Handle	1 hour
Dry to Topcoat	45 minutes - 24 hours*

*After 24 hours, sand with a 220-400 grit dry, or equivalent sanding pad. Do not sand below minimum dry film thickness, otherwise reprime before topcoating.

Equipment Cleaning:

Clean equipment promptly with lacquer thinner or equivalent cleaning solvent.

Note: Do not leave mixed material in equipment.

Technical Data:

3.5 VOC Information

VOC Actual RTS	1.97 lbs/gal
VOC Actual RTS	236 g/L
VOC Regulatory (less water less exempt) RTS	3.44 lbs/gal
VOC Regulatory (less water less exempt) RTS	412 g/L

Above 3.5 VOC* Information

VOC Actual RTS	4.11 lbs/gal
VOC Actual RTS	492 g/L
VOC Regulatory (less water less exempt) RTS	4.73 lbs/gal
VOC Regulatory (less water less exempt) RTS	566 g/L

*>3.5 VOC calculations when using 45 290SP as an example

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

Performance Characteristics

Volume solids (RTS)	29%
Theoretical Coverage (1 mil @ 100% transfer efficiency)	465 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

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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 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
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