



MPC126

E-Prime White 2.8

274 228SP

274 228SP/274 229SP E-Prime White Epoxy Primer is a two-component, corrosion resistant primer that provides excellent adhesion to many types of substrates.

E-Prime can be mixed for 2.8 or 3.5 VOC compliant areas.



Features:

- Universal
- Easy Mix Ratio
- 2.8 or 3.5 VOC Compliant

Benefits:

- Can be used over many substrates
- Can be used in VOC regulated areas as low as 2.8

Compatible Surfaces:

E-Prime White Epoxy Primer 274 228SP may be applied over:

- Properly cleaned and sanded steel
- Properly cleaned and sanded blasted steel
- Properly cleaned and sanded carbon steel
- Properly cleaned and sanded galvanized steel
- Properly cleaned and sanded aluminum
- Properly cleaned and sanded fiberglass
- Previously painted surfaces with proper prep
- MAP Ultra Low VOC Satin or Gloss
- MAP®
- SATIN MAP®
- SVOC MAP®
- Body Fillers
- Masonry
- Wood

Undercoats:

- 74734SP/74735SP Metal Pretreatment
- 74760SP/74766SP PT Filler
- 74770SP/74766SP HBPT
- 74780SP/74781SP HBEF
- 74350SP/74351SP Low VOC Non-Chromate Primer

Required Products:

274 229SP E-Prime Hardener 2.8

2.8 Exempt 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

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

274 228SP

Directions for Use

Surface Preparation:



- Clean substrate using 45 330SP Speed Prep Cleaner, if permitted under VOC requirements (refer to MPC111 Technical Bulletin) or 6405SP Low VOC Cleaner (refer to MPC172 Technical Bulletin).
- Sand the bare metal areas completely with 180 - 220 grit abrasive.
- Sand old finishes with 320 - 400 grit dry by hand or machine.
- Re-clean with 45 330SP Speed Prep Cleaner or 6405SP Low VOC Cleaner.
- Final wipe with a clean tack cloth to remove any residue.
Surfaces must be dry before application of primer. Then apply primer.

Mix Ratios:

Mix Ratios (by volume)

2.8 VOC



274 228SP E-Prime	274 229SP E-Prime Hardener	6370SP, 6371SP or 6372SP Exempt Reducers
3 parts	1 part	1 part

3.5 VOC



274 228SP E-Prime	274 229SP E-Prime Hardener	6300SP, 6301SP or 6302SP Low VOC Reducer
3 parts	1 part	1 part



- Hardener and reducer should be mixed thoroughly before using.
- Strain material following mixing.
- The usable pot life is approximately 4 hours at 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

Spray Set Up:



Air Pressure:	Conventional:	50 - 60 psi at the gun
	HVLP:	10 psi at the cap
	Pot Pressure:	15 - 18 psi

Gun Set Up:	Siphon Feed:	1.6 mm 0.063 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 10 - 15 min. between coats Follow with a second full wet coat
Recommended Wet Film Thickness:	3.3 - 4.5 mils/coat
Recommended Dry Film Thickness:	1.5 - 2.0 mils

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 poor water and chemical resistance, decreased durability and improper curing will occur.

Drying Times:



Dry Times at 70°F (21°C)	
Dust Free	30 - 60 minutes
Dry to Handle	1.5 - 2 hours
Dry to Topcoat	30 - 60 minutes

Note: After 24 hours, a light sanding with 320 - 400 grit dry by hand or machine and tack wiping is recommended for good adhesion of the topcoat.

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

274 228SP E Prime	2.30
274 229SP E Prime Hardener	3.94
6370SP, 6371SP, 6372SP Exempt Reducer	0.00
Ready to Spray (3:1:1)	2.70

3.5 VOC

274 228SP E-Prime	2.30
274 229SP E-Prime Hardener	3.94
6300SP, 6301SP or 6302SP Reducer	6.4
Ready to Spray (3:1:1)	3.5

Performance Characteristics

Volume Solids	60%
Volume Solids RTS	45%
Theoretical Coverage (1.0 mil @ 100% transfer efficiency)	698 sq.ft./RTS gal.
Application Conditions	60°F (15°C) min. 100°F (38°C) max.
Relative Humidity	85% max. 5° above dew point
Flash Point (Tag closed cup)	68°F (20°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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760 Pittsburgh Drive
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