



Brilliant White Primer

274535SP/01

Matthews 274535SP/01 Brilliant White Primer is a quality, two-component, low VOC self-etching metal primer designed for use on raw aluminum and steel.

274535SP/01 etches the properly prepared metal surface to provide outstanding paint adhesion and corrosion resistance. This fast drying etching primer will fill a 180g - 220g DA sand scratch with a two-coat application.

The high reflectivity of 274535SP/01 allows for use on unsanded interior surfaces of channel letters and sign cans to enhance brightness and eliminate lighting “hot spots”.



Features:

Benefits:

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
Easy mix ratio	Less time mixing
Anti-corrosion properties.....	Provides excellent corrosion protection
Etching properties	Great adhesion to properly prepared aluminum or steel
24 hour pot life.....	Mix once and use all day

Compatible Surfaces:

274535SP/01 Brilliant White Primer may be applied over properly prepared:

- Aluminum
- Steel

Associated Products:

74351SP/01 Non-Chromate Hardener

274535SP/01

Directions for Use

Surface Preparation:

- Apply a generous amount of 45330SP/01 Speed Prep, 6405SP/01 Low VOC Cleaner or 6410SP/01 Low VOC PreCleaner to the surface with a clean cloth or a hand held spray bottle and wipe the surface until dry.
- For interior surfaces, abrading is not required.
- For exterior surfaces, abrade as necessary with 180-320 grit, finishing sanding with the finest grit possible.
- Clean again with 45330SP/01 Speed Prep, 6405SP/01 Low VOC Cleaner or 6410SP/01 Low VOC PreCleaner.

Mix Ratio:



Mix Ratio for Spraying (by volume)

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1 part 1 part

- All components should be mixed thoroughly before using
- Strain material after mixing
- Store mixed materials in an acid resistant plastic container



Pot Life: 24 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 the 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: 1.4 - 1.8 mm 0.055 - 0.071 fluid tip
HVLV: 1.4 - 1.8 mm 0.055 - 0.071 fluid tip
Pressure Pot: 1.1 - 1.2 mm 0.043 - 0.047 fluid tip

Application:



Apply: Apply one to two 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, spray gun set-up, application, etc.

Recommended Film Thickness: Wet Film Thickness (WFT) 6.4 - 12.8 mils
Dry Film Thickness (DFT) 1.0 - 2.0 mils**

**For maximum reflectivity, a dry film thickness of 2.0 mils is recommended.

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.

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Directions for Use

Estimated Drying Times:



Air-Dry @ 50% Relative Humidity, 70°F/21°C
Dust Free 15 - 25 minutes
Dry to Touch 30 minutes*
Dry to Topcoat 30 minutes - 72 hours (max)**

*If necessary to remove dust nibs, 274535SP/01 Brilliant White Primer may be sanded with 220 - 320g after 4 hours (do not wet sand etch primers).

**After 72 hours, sand with a 220-400 grit dry, or equivalent sanding pad. Do not sand below minimum dry film thickness, otherwise reprime before topcoating.

Note: Etch primers should never be wet sanded or exposed to moisture or weather before topcoating.

Equipment Cleaning:

Clean equipment promptly with lacquer thinner or equivalent cleaning solvent.

Note: Do not leave mixed material in equipment.

Technical Data:

VOC Information

VOC Actual RTS	0.89 lbs/gal
VOC Actual RTS	107 g/L
VOC Regulatory (less water less exempt) RTS	3.05 lbs/gal
VOC Regulatory (less water less exempt) RTS	365 g/L

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

Performance Characteristics

Volume solids (RTS)	15.8%
Theoretical Coverage (1 mil @ 100% transfer efficiency)	253 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. If you require technical assistance, please call us toll-free 800/323-6593.

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