



Metal Pretreatment

74734SP/01

Matthews 74734SP/01 Metal Pretreatment is a quality, two-component, self-etching metal pretreatment. It is designed for use on raw aluminum and can also be used on steel.

74734SP/01 Metal Pretreatment etches the properly prepared metal surface to provide outstanding paint adhesion and corrosion resistance.

This fast drying pretreatment is transparent yellow in color and will fill a 220 - 320g DA sand scratch with a two coat application.



Features:

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
Eight hour pot life	Mix once and use all day

Benefits:

Compatible Surfaces:

74734SP/01 Metal Pretreatment may be applied over properly prepared:

Aluminum*
Steel*

*NOTE: 74734SP/01 Metal Pretreatment not for use over sand-blasted, shot-blasted or media-blasted aluminum or steel due to the product's low filling properties.

Associated Products:

74735SP/01 Activator

74734SP/01

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)

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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: 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 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: 1.3 mm 0.051 fluid tip
HVLV: 1.3 mm 0.051 fluid tip
Pressure Pot: 1.1 mm 0.043 fluid tip

Application:



Apply: Apply two medium 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 Dry Film Thickness (DFT):	Per Coat	Total
	0.12 - 0.17 mils	0.25 - 0.35 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 5 - 10 minutes
Dry to Touch 30 minutes
Dry to Topcoat 30 minutes - 8 hours (max)*

*After 8 hours, scuff with 400 grit dry or equivalent sanding pad.

Do not sand below minimum dry film thickness, otherwise reprime before topcoating.

Note: Do not expose etch primers to moisture or weather before topcoating.

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Directions for Use

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	6.22 lbs/gal
	VOC Actual RTS	745 g/L
	VOC Regulatory (less water less exempt) RTS	6.30 lbs/gal
	VOC Regulatory (less water less exempt) RTS	755 g/L
	For complete VOC information, visit MatthewsPaint.com > Quick Links > VOC Data	
	Performance Characteristics	
	Volume solids (RTS)	5.2%
	Theoretical Coverage (0.25 - 0.35 mil @ 100% transfer efficiency)	247 - 346 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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