

Metal Pretreatment

74 734SP

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

Matthews Metal Pretreatment etches the metal surface to provide outstanding paint adhesion and corrosion resistance.

This fast drying pretreatment requires only a thin, single coat before applying paint. It is an ideal product to use when you need a fast and easy pretreatment solution.



Features:

- 1 to 1 reduction
- 8 hour pot life
- Self-etching

Benefits:

- Easy mixing ratio
- Mix once and use all day
- Great adhesion to aluminum or steel

Compatible Surfaces:

Metal Pretreatment 74 734SP may be applied over:

- | | |
|-----------------|------------------|
| Sanded Aluminum | Sanded Galvaneal |
| Sanded Steel | Sanded Galvalume |

Required Products:

- | | |
|----------|-----------|
| 74 735SP | Activator |
|----------|-----------|

74 734SP

Directions for Use

Surface Preparation:

- Wipe/clean substrate using 45 330SP Speed Prep Cleaner. *Refer to MPC111 Technical Bulletin.*
- Scuff with a Scotch-brite pad.
- Wipe again.
- Allow to air-dry.
- Remove any residue with clean, lint free cloth.
- ***All surfaces must be free of oil, grease or any other contaminants prior to coating.***
- ***Aluminum and carbonated steel must be primed immediately after cleaning.***
- ***Applying 74 734SP over sandblasted substrate is not recommended.***

Mix Ratios:



Mix Ratios (by volume)

74 734SP Metal Pretreatment	74 735SP Activator
1 part	1 part



- Thoroughly mix the 74 734SP prior to activation.
- Always thoroughly mix and strain activated material prior to use.
- Store mixed materials in an acid resistant plastic container.
- Pot life is 8 hours.

Reducers:

None

Additives:

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

- 45 127SP Pre-treatment Retarder, up to 5% (6oz./gallon) by volume, may be added for use in very hot and humid weather.
- ***No other additives or reducers should be used in 74 734SP.***

Spray Set Up:



Air Pressure:

Conventional:	55 - 60 psi at the gun
HVLP:	10 psi at cap
Pot Pressure:	15 - 18 psi

Gun Set Up:

Siphon Feed:	1.3 mm 0.050 fluid tip
HVLP:	1.3 mm 0.050 fluid tip
Pressure Pot:	1.2 mm 0.046 fluid tip

Application:



Apply:	1 full wet coat
Recommended Dry Film Thickness:	0.25 - 0.35 mils

Directions for Use

Drying Times:



Dry Times at 70°F (21°C)	
Dust Free	5 - 10 minutes
Tack Free	30 minutes*
Dry to Handle	30 - 40 minutes
Tape Free	6 hours

* 74 734SP Metal Pretreatment may be topcoated when tack free.

Note: A finish coat must be applied before exposing
74 734SP Metal Pretreatment to weather.

Equipment Cleaning:

Clean up equipment promptly with 45 340SP Cleanz-It or an all-purpose clean up solvent.

Do not leave mixed material in equipment.

Technical Data:

VOC Information

74 734SP Metal Pretreatment	5.99
74 735SP Activator	6.7
Ready to Spray (1:1)	6.34*

* Local regulations may exempt limited use of acid activated metal treatments from VOC considerations

Performance Characteristics

Volume solids	9.8%
Volume solids RTS	5.4%
Theoretical Coverage (1.0 mils @ 100% Transfer efficiency)	87 sq.ft./RTS gal.
Application Conditions	55°F (13°C) Min. 100°F (38°C) Max.
Relative Humidity	85% Max. 5° above dew point
Flash Point (Tag closed cup)	53°F (12°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.

If you require technical assistance, please call us toll-free 800/323-6593.



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