MPC189

3.5 VOC Non-Chromate Etch Primer

74350SP/74351SP

74350SP is a 3.5 lbs/gal VOC non-chromate surface pre-treatment designed for direct application to properly prepared bare metal surfaces. It provides excellent corrosion protection and can be directly coated with Matthews topcoats.



Products:

- 74350SP 3.5 VOC Non-chromate Etch Primer
- 74351SP 3.5 VOC Non-chromate Etch Primer Hardener

Benefits:

- 3.5 VOC product
- Non-chromate surface pretreatment
- Provides excellent corrosion protection
- Easy mix ratio

Compatible Surfaces

74350SP/74351SP may be applied over:

- Properly cleaned and sanded Steel and Aluminum
- Not Recommended for Fiberglass

Substrate Preparation

- Surfaces should be cleaned with appropriate cleaner prior to applying primer.
- Sand aluminum with 220-320 grit abrasive; sand steel with 180-220 grit abrasive.
- Wash off residue and dry thoroughly before recleaning with appropriate systems substrate cleaner.
- Prime substrate after thorough cleaning.

Note: Applying 74350SP/74351SP over sandblasted substrate is not recommended.

When sanding chrome-containing products, proper safety measures must be followed.

74350SP

Directions for Use

Selection of Substrate Cleaner



Code	Product	Purpose
45 330SP	Speed Prep Cleaner	Suitable for removing dirt, grease or other contaminants before or during the painting process
6405SP	Low VOC Cleaner	

Mix Ratio:



· 74350SP : 1
· 74351SP : 1

Pot life @ 70°F / 50% RH.
· 24 hours
· High heat and humidity will shorten pot life.

Spray Set Up:



Air Pressure:	Conventional: HVLP:	40 - 60 psi at the gun 10 psi at the cap
Fluid Tip:	Conventional: HVLP:	1.4 – 1.8 mm 1.4 – 1.8 mm
Pressure Pot Set-Up:	Conventional: HVLP:	1.0 – 1.4 mm with 8 – 12 fluid ounces/minute 1.0 – 1.4 mm with 8 – 12 fluid ounces/minute

Application:



1 coat application

Spray Viscosity:



#2 ZAHN CUP	#3 ZAHN CUP
18-23 seconds	8-11 second

Drying Times:



Shop conditions and choice of hardener will affect dry times.

Dust-free : 70°F (21°C)	10-15 minutes
Tape Time: 70°F (21°C)	25-35 minutes
Overcoat/Recoat: 70°F (21°C)	30 minutes minimum 72 hours maximum (maximum before sanding is required)

(Heat and humidity will shorten Overcoat/Recoat window)

Total Film Build:

Dry:	Minimum 0.5 mils Maximum 0.7 mils

Theoretical Coverage:

308 sq. ft.

Theoretical coverage in sq. ft. /U.S. gallon ready-to-spray (RTS), giving 1 mil (25µm) dry film thickness (assuming 100% transfer efficiency).

Directions for Use

Equipment Cleaning:

Clean equipment promptly with an all-purpose clean up solvent or any compliant general cleaner.
Do not leave mixed material in equipment.

Performance Comments:

For optimum performance, it is recommended that 74350SP be coated with a Matthews topcoat.

Technical Data:

VOC (Packaged):	
74350SP:	2.70 lbs/gal or 323 g/L
74351SP:	6.15 lbs/gal or 737 g/L
Solids by Weight:	22.73%
Solids by Volume:	14.79%
VOC (Ready-To-Spray): Less Water Less Exempts Designed to Meet Rule 1107 and 1113 for California	3.36 lbs/gal or 402 g/L
VOC (Ready-To-Spray): By PA Code 129.52	6.56 lbs VOC/gal coating solids 0.79 kg VOC/L coating solids

Health and Safety: Please refer to Material Data Safety Sheets (MSDS) for full health safety details and storage regulations.

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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The World's Finest Coating For Architectural Signage

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