

MPX BASECOAT CONCENTRATES



Technical Data Sheet

Technical Hotline 800.735.0303

PRODUCT NUMBER

MPX-F SERIES BASECOAT CONCENTRATES
MPX-B SERIES BASECOAT CONCENTRATES
MPX-S SERIES BASECOAT CONCENTRATES

DESCRIPTION

FINE FX METALLIC
ULTRA FX METALLIC
VIBRANT FX COLORS

REDUCERS

MR-0860
MR-0870
MR-0885
MR-0895

DESCRIPTION

FAST REDUCER (60°-70°F)
MEDIUM REDUCER (65°-80°F)
SLOW REDUCER (75°-90°F)
VERY SLOW REDUCER (85°+F)

ACTIVATOR

MX-57

DESCRIPTION

BASECOAT ACTIVATOR

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FX Series basecoat concentrates (MPX) offer the perfect metallic, solid color or pearl base for all of your one-of-a-kind paint projects. Easy to use and quick to cover these incredibly colorful and vibrant basecoats will quickly lay down to create just the effect you are looking for.

COMPATIBLE SUBSTRATES

- MP-120 SERIES SEALER
- MP-2K PRIMER
- OEM FINISHES
- MP-EPOXIES
- MP-2KGR PRIMER
- 2KPB PRIMER
- MP3-HS PRIMER
- All Matrix basecoats and properly prepared substrates.

**Tech Tip:* MP-120 Series Sealers are the preferred substrate for application of FX Series basecoats.

SURFACE PREPARATION



1. Wash area thoroughly with soap and water to remove contaminants that solvent based cleaners cannot remove effectively.
2. Clean repair area with MX-9000 Wax and Grease Remover or MXW-9001 where VOC regulations require use.
3. Sand repair area with 400-600 grit sandpaper or equivalent.
4. Re-clean repair area with MX-8000 pre-paint cleaner or MXW-9001 where VOC regulations require its use. Wipe off any MXW-9001 residue with a clean damp cloth.

SURFACE PREPARATION CONT'D



5. For maximum adhesion, treat bare metal with a quality metal conditioning system or prime with MP-Epoxy Primers, MP-550, MP-600 Self Etching Primers or MP4-2K.
6. Final sand surface with 600 grit wet or dry sandpaper or equivalent.
7. Apply MP-120 Series Sealer before applying basecoat color.

FOUNDATION COAT

A UNIFORM VEHICLE COLOR IS ESSENTIAL BEFORE BASECOAT APPLICATION. SPRAY A TEST PANEL.

MP-120 Series Sealers are commonly used as a foundation coat for MPX colors. Select a color that most closely resembles the basecoat color in value (lightness or darkness) for faster basecoat hiding.

Note: Applying a primer sealer is not a cure all for poor surface preparation and should not be used as such. The main function of a primer sealer is to provide topcoat adhesion, improve color holdout and make the vehicle a uniform color for basecoat application.

***Tech Tip:** The use of light or dark foundation coats can cause basecoat color to increase or decrease in brightness or vibrancy of color. In addition, the use of light and dark colored foundation coats can be used in patterns to highlight light and dark pearl appearances. Consult the FX Series Technical Manual for additional information regarding the use of foundation coats specific to the MPX color you are using.

MIXING RATIO



MPX : **MR-800 SERIES REDUCERS** : **MX-57**
 1 Part : 1 Part : 42.5 grams per rts qt.

Reduce all MPX Series basecoats 1:1 with Matrix MR-0800 series reducer.

Note: MX-57 Basecoat Activator is highly recommended for best performance.

Note: Agitate basecoats using a mechanical paint shaker to ensure metallics are in solution prior to reduction. Mix (by volume) 1 parts paint to 1 part reducer to 1.5 oz. MX-57 per RTS qt. Reduce only with MR-0800 Series Reducers based on temperature range.

Note: MX-57 Basecoat activator is recommended for use whenever elevated film builds such as those resulting from applying multi stage finishes. See the MX-57 Technical Data Sheet for additional information.

Note: Using temperature correct reducers is critical in the application of paint finishes and failure to use the correct temperature reducer can result in a myriad of problems associated with coatings drying too fast or drying too slow.

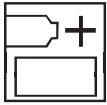
POT LIFE



<u>Basecoat Activator</u>	<u>Time</u>	<u>Temp</u>
MX-57	2 Hours	77° F Highly Recommended
Without MX-57	12 Hours	77° F

***Tech Tip:** Pot life will shorten as temperatures increase. Matrix System products are not recommended for use in temperatures below 65° F.

ADDITIVES



MX-57 Basecoat Activator no other additives are required.

APPLICATION



MPX SERIES BASECOAT

After reducing basecoat, **strain the paint into the paint gun**. Apply 2-3 coats or until hiding is achieved using 35-45 psi at the gun (conventional) or 8-10 psi at the aircap (HVLP). Maintain a distance of 6-8 inches from the panel with a 90° fan angle to the surface you are painting. Overlap each successive pass by 50%-75% to ensure even coverage. Allow a 10-15 minute flashtime in between coats, allowing the final coat to dry 15-30 minutes prior to topcoat application. Do not allow the basecoat to dry in excess of 24 hours or the basecoat must be lightly sanded and additional basecoats must be applied. Apply medium wet coats for best results.

MIDCOAT (IF APPLICABLE)

If you are applying a FX Series midcoat, consult the specific FX Series midcoat Technical Data Sheet for additional instructional information.



<i>GUN TYPE</i>	<i>HVLP</i>	<i>Conventional</i>
<i>SIZE</i>	1.3 - 1.7 mm	1.3 - 1.7 mm
<i>PSI</i>	8 - 10 psi at Aircap	35-45 psi at Gun

TEST SPRAY OUT REQUIRED

IMPORTANT! You must test spray a panel before painting your actual project. This is necessary due to all the variables in the custom painting process. By test spraying you will see your end result before you start painting your project. You can practice on a panel and change your application techniques if necessary so your final paint job looks just like you want it to.

REPAIRING & RECOATING



MPX may be recoated after 15-30 minutes or up to 24 hours at 77°F with itself, it may be scuffed after 30 minutes at 77°F if necessary. After 24 hours depending on temperature/humidity, MPX must be lightly scuffed and a additional coat of MPX basecoat must be applied.

ARTWORK & INTERCOAT CLEAR



DO NOT TAPE DIRECTLY ONTO THE MIDCOAT WHENEVER POSSIBLE! If artwork is planned, apply 1 or 2 medium coats of MPB-500 or Matrix clearcoat to protect the underlying paint layer from mishaps such as tape marks, chemical spills or etc that may damage layers applied at a prior date. In addition, the protective clearcoat is easier to sand imperfections out of and will not require to be re-candied after sanding. See tech sheet for more information on MPB-500 or Matrix clearcoat.

CLEARCOAT

All Matrix clearcoats may be used over MPX Series Basecoats.

EQUIPMENT CLEANUP



Clean equipment immediately after use with MX-110 Gun Wash or a high quality lacquer thinner.

EXCLUSIVE WARRANTY

There is no warranty on color match, final color, or application of FX products. FX product warranty is exclusively limited to replacement of the FX product only, if and when the product is deemed to be defective by Matrix corporate technical personnel and communicated to the customer in writing. No other contingent liability, labor, or replacement of associated product is covered by this warranty. This is necessary because of the many application variables involved in the custom painting process. FX Custom Finishes are excluded from coverage under the Matrix System warranty program.

TECHNICAL DATA

Color:	Various
Mix Ratio:	1 : 1 : 1.5 oz. MX-57 per RTS qt.
Viscosity #2 Zahn (RTS):	15 - 18 seconds
Film Build:	0.4 - 0.6 mils per full wet coat
Pot Life:	2 Hours
Coverage (depending on Color):	160 - 241sq. ft.
Dust Free:	10 Minutes
Tack Free:	15-20 Minutes
Tape Time:	20-40 Minutes
V.O.C.:	6.0 -6.6 lbs gl.
Disposal/Safety:	see MSDS for this product

Manufactured by Matrix System Automotive Finishes.

NOTE: Matrix Systems products are not recommended for use in temperatures below 65°F. Use below these temperatures will effect dry times and performance.

FOR INDUSTRY USE ONLY

Read MSDS Before Use

The contents of the package must be blended with other components before the product can be used. Any mixture of components will have hazards of all components. Before opening the packages, read all warning labels. Follow all precautions.

The material is designed for application only by professionally trained personnel using proper equipment under controlled conditions, and is not intended for sale to the general public.

SEE MSDS AND PRODUCT LABELS FOR ADDITIONAL SAFETY INFORMATION.

Put it to the test!

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