

UC CANDY CLEARCOATS



Technical Data Sheet

Technical Hotline 800.735.0303

PRODUCT NUMBER

UC SERIES CLEARCOAT

DESCRIPTION

UC CANDY FX CLEARCOAT

HARDENERS

MH-005
MH-006
MH-008
MH-43

DESCRIPTION

PREMIUM HARDENER NORMAL
PREMIUM HARDENER SLOW
PREMIUM HARDENER VERY SLOW
PREMIUM HARDENER SPOT & PANEL

REDUCERS

NOT REQUIRED

DESCRIPTION

UC Series Clearcoats are color tinted clears used to create deep high gloss custom finishes. UC clears are normally applied as a midcoat clear with a Matrix clearcoat applied over them to provide additional protection. By design these candy clearcoats are meant to be applied over basecoat or ground coat colors and then cleared with a Matrix System Clearcoat.

COMPATIBLE BASECOATS

All Matrix basecoats and properly prepared substrates. Many competitive basecoats, Important, test spray for compatibility before using other basecoats.

**Tech Tip:* MPX Series basecoats are the preferred substrate for FX Series Midcoats.

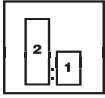
SURFACE PREPARATION



1. Allow the final coat of basecoat to dry 30 minutes prior to applying UC Candy FX Clearcoat.
2. Use a tack cloth to remove any surface contaminants that may have settled on the basecoat.
3. Apply Matrix System UC Candy FX Clearcoat.

**Tech Tip:* Extend basecoat dry time to 30 minutes when applying several base color coats, tri coat colors, multiple graphic overlays, or in cooler shop conditions.

MIXING RATIO



UC CANDY FX : **MH-005/006/008/43**
2 Parts : 1 Part

Tech Tip:* The use of **MH-008 is intended for extreme temperatures.

Note: Thoroughly agitate AccuShade Toners and FX Dyes before use. Mix (by volume) 2 parts UC Candy FX to 1 part activator.

POT LIFE



<u>Hardener</u>	<u>Time</u>	<u>Temp</u>
MH-005/006/008	8-10 Hours	77°F
MH-43	4-5 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



ACCELERATOR

Use up to 1/2 fluid ounce of MX-081 or MX-084 Accelerator per sprayable quart. The addition of MX-081 or MX-084 will reduce cure times by 50%. The use of MX-081 will **reduce** pot life by 50%. The use of MX-081 will not increase VOC in areas where acetone is exempt.

Tech Tip:* Do not use **Accelerator with MH-43.



FISH EYE

The use of fish eye eliminator is strongly discouraged. If a fish eye additive is needed, use MX-01 urethane fish eye eliminator, mix 1/2 ounce per sprayable quart. Use no more than necessary as it will directly affect the flow out of UC Candy FX.

APPLICATION



After reducing, **strain the paint into the paint gun**. Apply UC Candy FX over the basecoat until the desired effect has been achieved. (It is always a good idea to spray a let down panel to determine how many coats will produce the desired effect). 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 75% to ensure even coverage. Allow a 5-15 minute flash time in between coats. Finish with full wet coats with a 50% overlap following the same methods. Be sure to walk long objects to avoid build up on panel edges. Allow the final coat to dry 15-30 minutes prior to clearcoat application.

Do not allow UC Candy FX to dry in excess of 24 hours without clearcoating or UC Candy FX must be lightly sanded and additional coats of UC Candy FX must be applied. Apply medium wet coats for best results.

APPLICATION CONT'D



IMPORTANT INFORMATION ABOUT UC CANDY FX

UC Candy FX may bleed through art work applied over them due to their chemistry, furthermore two component catalyzed clearcoats will NOT prevent their predisposition to bleed through. In an effort to control bleeding, apply 2 coats of MS-42 Clear and allow to dry for 24 hours, wet sand with 600 before continuing with artwork.

UC Candy FX may have limited light fastness and should only be used on surfaces that have minimal exposure to sunlight.

Note: Consult the FX Series Technical Manual for additional UC Candy FX application techniques.

<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>	6 - 10 at Aircap	40 - 50 at Gun

Note: Agitate candy midcoat using a mechanical paint shaker to ensure dyes are in solution prior to mixing. Mix (by volume) 2 parts UC Candy FX to 1 part activator.

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



FLEXIBLE PARTS

A flexible additive may be needed when painting certain flexible parts.

<u>UC CANDY FX</u>	:	<u>MH-005/006/008/43</u>	:	<u>MX-841</u>
2 Parts		2 Parts		1 Part

***Tech Tip:** Full panel only when part is off the vehicle, it is not necessary to add MX-841 when the part is mounted on the vehicle. Reference the MX-841 Technical data Sheet for additional information.

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.

DRY & FLASH TIME INFORMATION



<i>DRY TIMES AT 77° F</i>	<i>MH-005/006/008</i>	<i>MH-43</i>
FLASH TIME	20 MINUTES	15 MINUTES
TO SAND	16 HOURS	8-10 HOURS
TO DELIVER	16 HOURS	8-10 HOURS



<i>FORCE DRYING AT 140° F</i>	
PURGE TIME	15 MINUTES
BAKE TIME AT 140°F	30 MINUTES

CLEARCOAT

Clearcoat with MS-42 following a 15-20 minute flash time.

REPAIRING & RECOATING



UC Candy FX may be recoated after a 16 Hour dry at 77°F, or after a minimum 1 hour cool down after force drying at 140°F for 30 minutes.

BUFFING



Do not buff UC Candy FX Clearcoat. Spray a final coat of Matrix MS-42 clearcoat over UC Candy FX Clearcoat.

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

Clear:	2 parts UC Candy FX
Hardeners:	1 part MH-005, MH-006, MH-008 or MH-43
Viscosity (RTS):	20 - 25 seconds #2 Zahn
Weight Solids (RTS):	48.9%
Film Build:	1.0 - 1.2 mils per full wet coat
Coverage:	709 sq. ft. per gallon @ 1 dry mil
V.O.C. (RTS):	4.2 lbs/gal
Disposal/Safety:	see MSDS for this product
Humidity Resistance:	Excellent
Salt Spray Resistance	Excellent

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!

www.matrixsystem.com

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