

MS-30

SUPER SPEED URETHANE CLEARCOAT

Technical Data Sheet

Technical Hotline 800.735.0303

PRODUCT NUMBER

MS-30

DESCRIPTION

SUPER SPEED URETHANE CLEARCOAT

HARDENERS

MH-005
MH-006
MH-008

DESCRIPTION

PREMIUM HARDENER NORMAL
PREMIUM HARDENER SLOW
PREMIUM HARDENER VERY SLOW

REDUCERS

NOT RECOMMENDED

DESCRIPTION

NOT RECOMMENDED

DESCRIPTION

MS-30 Super Speed Clearcoat is a medium solid 4.2 VOC clear. MS-30 combines fast drying with a high gloss, making it ideal for overall, spot & panel refinishing.

COMPATIBLE BASECOATS/TOPCOATS

- MPB
- MSB
- DBU®
- DBC®
- Ultra 7000®
- Glasurit 55®
- Autobase®
- Omni®
- CHROMAPREMIER®
- CHROMABASE®
- LIMCO SUPREME®
- Dimension®

SURFACE PREPARATION



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



MS-30 : MH-005/006/008
4 Parts : 1 Part

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

POT LIFE



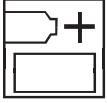
Hardener
MH-005/006/008

Time
2-3 Hours

Temp
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
Do not use accelerator with MS-30.



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 MS-30.

APPLICATION



Apply 2-3 full wet coats at 40-50 psi or (6-10 psi when using HVLP at the aircap), allowing a 10-15 minute flash time between coats.



<u>GUN TYPE</u>	<u>HVLP</u>	<u>Conventional</u>
<u>SIZE</u>	1.3 - 1.5 mm	1.3 - 1.5 mm
<u>PSI</u>	6 - 10 at Aircap	40 - 50 at Gun

**Tech Tip:* MS-30 is not recommended for use on flexible substrates.



BLENDING
Dry edges can be blended in by reducing clearcoat 100%-150% and lightly misting the area to be blended out.

**Tech Tip:* When blending clearcoat, use MR-Reducer one temperature range slower than was used during application (i.e. MR-0870 used during application, switch to MR-0885 to blend clearcoat edge in).

DRY & FLASH TIME INFORMATION



<u>DRY TIMES AT 77° F</u>	<u>MH-005/006/008</u>
FLASH TIME	5-10 MINUTES
TO SAND	2 HOURS
TO DELIVER	2 HOURS



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

REPAIRING & RECOATING



MS-30 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



Allow 2 hours before sanding or buffing MS-30. Temperature, humidity and film thickness will affect buff times. When force drying, allow 1 hour cool down before buffing or polishing MS-30.

EQUIPMENT CLEANUP



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

TECHNICAL DATA

Clear:	4 parts MS-30
Hardeners:	1 part MH-005, MH-006 or MH-008
Viscosity (RTS):	17 - 20 seconds #2 Zahn
Weight Solids (RTS):	39%
Film Build:	0.8 - 1.0 mils per full wet coat
Coverage:	503 sq. ft. per gallon @ 1 dry mil

V.O.C. as Delivered:	Regulatory VOC in LBS./GAL.	Regulatory VOC in G./L.	Material VOC in LBS./GAL.	Material VOC in G./L.
MS-30	4.3	521	3.1	368
MH-005	3.9	470	3.9	470
MH-006	3.7	444	3.7	444
MH-008	3.7	444	3.7	444
V.O.C. (RTS):				
MS-30/MH-005	4.2	508	3.2	388
MS-30/MH-006	4.2	501	3.2	383
MS-30/MH-008	4.2	501	3.2	383

Disposal/Safety:	see MSDS for this product
Humidity Resistance:	Excellent
Salt Spray Resistance	Excellent
MSDS Reference #	MX-SD2

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.

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

Put it to the test!
www.matrixsystem.com