

MP-2KGR

QUICK SAND 2K PRIMER

Technical Data Sheet

Technical Hotline 800.735.0303

DESCRIPTION

MP-2KGR is a quick dry medium build production style urethane primer. MP-2KGR offers easy sanding and good build for general collision work.

QUICK REFERENCE

What: General purpose urethane primer grey color.

Mix: 4:1 with activator.

Application: 2-3 coats with primer gun.

Time: Dry to sand in about 45 - 60 minutes per layer.

Recoat: Topcoat with any Matrix System brand topcoat.

REQUIRED COMPONENTS

<u>Product</u>	<u>Description</u>
MP-2KGR	Quick Sand 2K Primer
<u>Activator</u>	
MA-2K	Quick Sand Primer Activator
<u>Reducer</u>	
Not Required	

COMPATIBLE SUBSTRATES

Steel
Aluminum
Fiberglass
Bodyfiller
OEM E-Coat
OEM Finishes
Plastic & flexible substrates when prepared properly



PREPARATION

For best results pre clean objects to be painted before sanding. To "pre clean" an object to be painted wash thoroughly with soap and water, then, follow with MX-9000 Pre-Prep Wax & Grease Remover using clean paper towels.



PREPARATION

Steel

1. Clean repair area with Matrix MX-9000 Pre-Prep Wax & Grease Remover or MXW-9001 Low VOC Cleaner/Degreaser, where VOC regulations require use.
2. Sand with P80 grit dry.
3. Clean repair area with Matrix MX-8000 Final Prep Pre-Paint Cleaner or MXW-9001 Low VOC Cleaner/Degreaser, where VOC regulations require use.
4. Apply MP-600, MP-550 or MP-Series Epoxy Primers prior to application of MP-2KGR.

Aluminum

1. Clean repair area with MXW-9001 Low VOC Cleaner/Degreaser.
2. Thoroughly sand surface with "red" scuff pad (3M 7447 or equal)
3. Clean repair area with MXW-9001 Low VOC Cleaner/Degreaser.
4. Apply MP-600, MP-550 or MP-Series Epoxy Primers prior to application of MP-2KGR.

Fiberglass (Gel coated or SMC surface)

1. Clean repair area with MXW-9001 Low VOC Cleaner/Degreaser.
2. Sand surface with P220-P320 grit dry.
3. Clean repair area with MXW-9001 Low VOC Cleaner/Degreaser.

Body Filler

1. Body filler should be final sanded with P150-P220 grit dry prior to applying MP-2KGR.
2. Body filler should be kept within the repair area. Do not feather body filler directly into the surrounding paint.
3. The surrounding finish should be feathered in with P220-P320 grit dry.

***Tech Tip:** If cleaning of the body filler is needed after sanding, use only MXW-9001 Low VOC Cleaner/Degreaser. Do not saturate the body filler. Allow extra dry time to assure polyester filler is completely dry.

Existing OEM finishes

1. Clean repair area with Matrix MX-9000 Pre-Prep Wax & Grease Remover or MXW-9001 Low VOC Cleaner/Degreaser where VOC regulations require use.
2. Sand the existing OEM finish with P220-P320 grit dry.
3. The MP-2KGR application should be kept within the sanded area of the existing finishes.

OEM E-Coat

1. MP-2KGR can be applied directly to properly cleaned & sanded OEM E-Coat.
2. Clean panel with Matrix MX-9000 Pre-Prep Wax & Grease Remover or MXW-9001 Low VOC Cleaner/Degreaser where VOC regulations require use.
3. To correct surface imperfections feather edge any damaged E-Coat area with P220-P320 grit dry. The remainder of the panel may be prepared using a red scuff pad (3M 7447 or equal)
4. Clean panel with Matrix MX-8000 Final Prep Pre-Paint Cleaner or MXW-9001 Low VOC Cleaner/Degreaser where VOC regulations require use.

***Tech Tip:** The use of clean, new, towels is encouraged in the cleaning process to minimize the likelihood of contamination to the substrate materials.



MIXING RATIO

4 parts MP-2KGR to 1 part MA-2K.

ADDITIVES

Adding additional materials to a ready to spray product will increase the V.O.C as applied. Check mixture and local regulations to assure compliance.



Accelerator MX-081 or MX-084 accelerator may be helpful to assure proper curing in colder weather when air dry is the only option. Although it can speed dry times, please use with caution. Excessive film build, shrinkage, loss of gloss, and incomplete curing, may result as a side effect when abused. See Additives TDS.



Retarder Not Recommended



Fisheye Not Recommended



Flattening Not Recommended



Flex Additive MX-841 can be used to increase the flexibility of any Matrix System 2K urethane primer or clear. This can be helpful during installation and life of flexible parts.



POT LIFE

1.5-2 hours @ 70° F/21° C.

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



GUN SETUP

Gun Type	Size	Air Pressure
Air Gunza	1.8 mm	18-22 psi at the gun inlet
Devilbiss PRI	1.8 mm	16-20 psi at the gun inlet



APPLICATION

Apply 2-3 medium coats. Allow complete flash times between coats to achieve best through dry and sanding properties.



DRY/FLASH TIMES

A properly flashed surface will appear dull and dry to touch. Times are approximate.

DRY TIMES AT 70° F/21° C

FLASH TIME (AFTER 1ST COAT)	10-15 minutes
FLASH TIME (AFTER 2ND COAT)	15-20 minutes
TO SAND	45-60 minutes per layer
TO TOPCOAT	After sanding

FORCE DRYING AT 140° F/60° C

PURGE TIME	15 minutes
BAKE TIME	20 minutes

SPECIAL CONSIDERATIONS

Extreme temperatures and high film build applications will extend dry times.



RECOATING

MP-2KGR may be recoated with any Matrix System brand topcoat after sanding.



EQUIPMENT CLEANING

Clean equipment immediately after use according to local regulations.

TECHNICAL

Color: Grey
Primer: MP-2KGR
Activator: MA-2K
Weight Solids (RTS): 54.9%
Volume Solids (RTS): 34.6%
Film Build: 1.0 - 1.5 mils per full coat
Coverage: 547 sq. ft. per gallon @ 1 dry mil

V.O.C. as Delivered:	Regulatory VOC lbs/gal	Regulatory VOC g/l	Material VOC lbs/gal	Material VOC g/l
MP-2KGR	4.4	531	4.4	530
MA-2K	6.0	721	6.0	721
V.O.C. (RTS):				
MP-2KGR/MA-2K	4.7	569	4.7	568

Disposal/Safety: see MSDS for this product

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.

PRIMER