

2KPB

HIGH PERFORMANCE URETHANE PRIMER/SURFACER

Technical Data Sheet

Technical Hotline 800.735.0303

PRODUCT NUMBER

2KPB

DESCRIPTION

HIGH PERFORMANCE PRIMER/SURFACER

ACTIVATOR

2KPA

DESCRIPTION

HIGH PERFORMANCE PRIMER ACTIVATOR

REDUCERS

NOT RECOMMENDED

DESCRIPTION

NOT RECOMMENDED

DESCRIPTION

2KPB High Performance Urethane Primer is formulated for maximum holdout and minimal sand scratch swelling. Designed specifically for paint jobs that have to look their best, 2KPB is the choice of experts for exceptional results.

COMPATIBLE SUBSTRATES

- OEM FINISHES
- GALVANIZED STEEL*
- BARE METAL*
- ALUMINUM*
- FIBERGLASS
- E-COAT

**Tech Tip:* Compatible substrates are required to be properly cleaned, sanded and treated prior to applying any primer surfacer. To obtain maximum performance always treat bare metal with a quality metal conditioning system or prime with Matrix MP4-2K, MP-550 or MP-600.

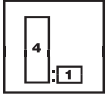
SURFACE PREPARATION



1. Wash area thoroughly with soap and water to remove contaminants that solvent based cleaners cannot remove effectively.
2. Clean repair area with Matrix MX-9000 Pre-Prep Wax & Grease Remover or MXW-9001 where VOC regulations require use.
3. Completely sand surface with 180-220 grit sandpaper or equivalent and repeat step 2.
4. Apply Matrix System Primer Surfacer.

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

MIXING RATIO



2KPB : 2KPA
4 Parts : 1 Part

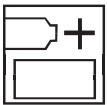
POT LIFE



<u>Hardener</u>	<u>Time</u>	<u>Temp</u>
2KPA	1- 2 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 Accelerator per sprayable quart. The addition of MX-081 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.



FISH EYE

Do not use fish eye eliminator in this product.

APPLICATION

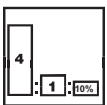


Apply 2-3 coats with a 10-15 minute flash time between each coat. Use 40-50 psi at the gun or 5-10 psi at the cap when using HVLP. Allow 2KPB to dry 4-5 hours at 77°F before sanding. Final block with 600 grit or finer sandpaper before topcoating. For maximum performance seal 2KPB prior to topcoating.

**Tech Tip:* Film thickness, flash times, and temperature may affect sanding times.



<u>GUN TYPE</u>	<u>HVLP</u>	<u>Conventional</u>
<u>SIZE</u>	1.5 - 2.1mm	1.5 - 2.1mm
<u>PSI</u>	5 - 10 at Air cap	40 - 50 at Gun



PAINTING FLEXIBLE PARTS

A flexible additive may be needed when painting certain flexible parts. Use MX-841 Flex Aid mixed at 4:1:10% by volume to ready to spray mix.

2KPB : 2KPA : MX-841
4 Parts : 1 Part : 10%

DRY & FLASH TIME INFORMATION



DRY TIMES AT 77° F

FLASH TIME 10-15 MINUTES
TO SAND 4-5 HOURS
TO TOPCOAT 4-5 HOURS



FORCE DRYING AT 140° F

PURGE TIME 10 MINUTES
BAKE TIME AT 140°F 30 MINUTES

REPAIRING & RECOATING



2KPB Urethane Primer Surfacer **must be** sanded prior to recoating, after a 30 minute dry at 77°F, after a minimum 1 hour cool down, after force drying at 140°F for 30 minutes. After 4 hours dry time 2KPB must be sanded before recoating.

**Tech Tip:* Must be sanded prior to painting for mechanical adhesion.

EQUIPMENT CLEANUP



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

TECHNICAL DATA

Color: Buff
Primer: 4 parts 2KPB
Hardener: 1 part 2KPA
Weight Solids (RTS): 57.8%
Film Build: 1.0 - 1.25 dry mils per full wet coat
Coverage: 574 sq. ft. per gallon at 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.
2KPB	4.3	519	4.3	519
2KPA	5.5	662	5.5	662
V.O.C. (RTS):				
2KPB/2KPA	4.6	548	4.6	547

Disposal/Safety: see MSDS for this product
Lead/Chromate: None
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