



GENERAL INFORMATION

2KPB is a medium build primer/surfacer that provides excellent topcoat hold out, minimal shrinkage, and easy sanding properties.



1. COMPONENTS

- 2KPB High Performance Primer - Buff
- 2KPA 2K Primer Activator



2. MIXING RATIO (4:1)

- Mix four (4) parts 2KPB High Performance Primer - Buff with one (1) part of 2KPA 2K Primer Activator.



3. POT LIFE @ 77°F (25°C)

- Sprayable 30-60 minutes.

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



4. CLEAN UP

- Clean equipment immediately after use (check local regulations)



5. ADDITIVES

- **Accelerator:** MX-081 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.

• **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.

*NOTE: Adding additional materials to a ready-to-spray product will increase the VOC as applied. Check mixture and local regulations to assure compliance.



6. SURFACE 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.



Steel

1. Clean panel with appropriate Matrix surface cleaner based on local regulatory compliance.
2. Final sand with P180 grit or finer.
3. Re-clean panel with appropriate Matrix surface cleaner based on local regulatory compliance.
4. Apply MP-600, MP-550 or MP-Series Epoxy Primers prior to application of 2KPB on any bare metal substrates.

Aluminum

1. Clean panel with MXW-9001 Low VOC Cleaner/Degreaser.
2. Final sand with P180 grit or finer.
3. Re-clean panel with MXW-9001 Low VOC Cleaner/Degreaser.
4. Apply MP-600, MP-550 or MP-Series Epoxy Primers prior to application of 2KPB on any bare metal substrates.

Fiberglass (Gel coated or SMC surface)

1. Clean panel with appropriate Matrix surface cleaner based on local regulatory compliance.
2. Final sand with P180 grit or finer.
3. Re-clean panel with appropriate Matrix surface cleaner based on local regulatory compliance.

Body Filler

1. Body filler should be final sanded with P180 grit or finer.
2. Re-clean panel with appropriate Matrix surface cleaner based on local regulatory compliance.

Existing OEM Finishes

1. Clean panel with appropriate Matrix surface cleaner based on local regulatory compliance.
2. Sand the existing OEM finish with P180 grit or finer.
3. Re-clean panel with appropriate Matrix surface cleaner based on local regulatory compliance.
4. The 2KPB application should be kept within the sanded area of the existing finishes.

OEM E-Coat

1. Clean panel with appropriate Matrix surface cleaner based on local regulatory compliance.
2. Final sand with P180 grit or finer.
3. Re-clean panel with appropriate Matrix surface cleaner based on local regulatory compliance.

7. TOPCOATS

- All Matrix Refinish 2K Sealers
- All Matrix Refinish Basecoats
- All Matrix Refinish 2K Single-Stage



8. TECH NOTES

- N/A



9. SUBSTRATES (Properly Prepared)

- Steel
- Aluminum
- Fiberglass
- Body Filler
- OEM E-Coat
- OEM Finishes
- Plastic & flexible substrates



10. APPLICATION

- Apply 2-3 medium coats. Allow each coat to flash completely dull before applying next coat.

*Tech Tip: Inadequate flash times may result in product failure including loss of adhesion, shrinkage, sand scratch swelling and pin holing.



11. FLASH / DRY TIMES

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

AIR DRY @ 77°F (25°C)

Flash (after 1st coat)	10-15 minutes or until dull
Flash (after 2nd coat)	15-20 minutes or until dull
To Sand	45-60 minutes per layer
To Topcoat	After sanding within 24 hours*

*Tech Tip: Surface must be re-scuffed if sanded primer is not top coated within 24 hours

If used as instructed, this product is designed to comply with the US National Volatile Organic Compound (VOC) Emission Standard for Automobile Refinish Coatings. Confirm compliance with state and local air quality rules before use. The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. Valspar assumes no obligation or liability for use of this information. UNLESS VALSPAR AGREES OTHERWISE IN WRITING, VALSPAR MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. VALSPAR WILL NOT BELIEVE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES. Your only remedy for any defect in this product is the replacement of the defective product, or a refund of its purchase price, at our option.

Force Drying @ 140°F (60°C)

Purge Time	After complete flash
Bake Time	20 minutes



12. INFRARED CURE

- 6-8 minutes

*NOTE: For detailed curing information refer to equipment manufacturers recommendations.



13. SPRAY GUN SET UP

HVLP/LVLP - Fluid Tip Size	1.4 mm - 1.7 mm
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AIR PRESSURES

- Refer to spray gun manufacturer's recommendations for regulatory compliance



14. PHYSICAL DATA

RTS REGULATORY DATA	4:1	
	LBS./GAL.	g/L
Actual VOC	4.57	547
Regulatory VOC (less water and exempt solvents)	4.56	547
Density	10.48	1256
	WT. %	VOL. %
Total Solids Content	56.4	37.5
Total Volatile Content	43.6	62.6
Water	0	0
Exempt Compound Content	0	0
Coating Category	Primer Surfacer	

*NOTE: US Regulations allow for the use of exempt compounds for VOC calculations.

NOTES