



PRODUCT INFORMATION



MBPX 3.5 VOC Acrylic Urethane Basecoat

Background

MBPX is a fast drying, acrylic basecoat designed for today's automotive collision centers. For VOC compliance, MBPX must be activated and then topcoated with a compliant Omni clear coat.

MBPX Acrylic Urethane Basecoat

Color

MBPX 3.5 VOC Acrylic Urethane Basecoat

Reducer

MR294 Fast, MR295 Medium, MR296 Slow, MR297 Retarder

Hardener

MH238

Compatible Substrates

Cured, cleaned & sanded OEM and refinish enamels
Any compliant Omni primer including:

MP802 Multi-Purpose Primer

MP243 Polyester Primer

Preparation

Surface cleaning

SWX350 O So Clean

SXA330 Wax and Grease Remover

Sanding

400 grit (machine or dry hand) or 500 grit (wet) on old finishes and primer surfacers

Mixing

Ratios



MBPX MR Reducer MH238 Hardener
10 : 10 : 1

Note: MBPX may be reduced with half the reducer to improve hiding. At the 10:5:1 ratio, the flash times between coats may be extended. For metallic and pearl colors, the 10:10:1 ratio should be used for the final coat to improve metallic control and orientation.

Pot Life

8 hours at 70°F (21°C)

Tinting

MBPX may be tinted up to 10% with OMNI™ AU mixing bases

Additives

None

Application

Coats



2 coats or until hiding

Air pressure



HVLP 7 - 10 psi at the air cap
Conventional 45 - 55 psi at the gun

Gun setup

1.3 - 1.5 mm or equivalent

Dry Times

Between coats



5 - 10 minutes at 70°F (21°C)

Air dry



Tape: 45 minutes
Clear: 20 minutes minimum, 24 hours
 maximum at 70°F (21°C) to clearcoat

Clean Up

Clean equipment with MR Reducer General purpose Solvent. Follow EPA guidelines for proper storage and disposal of solvent-borne waste paint.

Properties

VOC

Film build per coat

Applied (10:10:1) 0.5 - 0.6 mil

Square foot coverage at 1 mil

Applied (10:10:1) 245 - 277 sq. ft. / gal., no loss

RTS Combinations:	MBPX Color (Package)	MBPX : MR29X : MH238	MBPX : MR29X : MH238
Volume Ratio:	N/A	10 : 10 : 1	10 : 5 : 1
Applicable Use Category	Color Coating	Color Coating	Color Coating
VOC Actual (g/L)	84 - 347	42 - 175	63 - 231
VOC Actual (lbs/gal)	0.70 – 2.90	0.35 - 1.46	0.47 – 1.93
VOC Regulatory (less water less exempt) (g/L)	211 - 470	180 - 417	182 - 417
VOC Regulatory (less water less exempt) (lbs/gal)	1.76 – 3.92	1.50 - 3.48	1.52 - 3.48
Density (g/L)	895 - 184	1094 - 1267	1070 – 1231
Density (lbs/gal)	7.47 - 9.88	9.13 - 10.57	8.93 -10.27
Volatiles wt. %	51.3 – 87.1	73.3 – 90.3	64.8– 87.2
Water wt. %	0.0	0.0	0.0
Exempt wt. %	33.3 – 78.7	61.7 – 86.3	53.3 – 82.0
Water vol. %	0.0	0.0	0.0
Exempt vol. %	43.0 – 76.7	56.2 – 84.1	58.9– 79.6

Precautionary Information:

The contents of this package may have to be blended with other components before the product can be used. Before opening the packages, be sure you understand the warning messages on the labels of all components, since the mixture will have the hazards of all its parts. Spray equipment must be handled with due care and in accordance with manufacturer's recommendations. Follow label directions for respirator use. Wear eye and skin protection. Observe all applicable precautions.

Medical Response:

EMERGENCY MEDICAL OR SPILL CONTROL INFORMATION (412) 434-4515; IN CANADA (514) 645-1320.

Material Safety Data Sheet:

Material Data Safety Sheets for the PPG products mentioned in this publication are available through your PPG Omni Distributor.

For additional information regarding this product, see the MSDS and label information.

To the best of our knowledge, the technical information in this bulletin is accurate; however, since PPG Industries is constantly improving its coating and paint formulas, the current technical data may vary somewhat from what was available when this bulletin was printed. Contact your Omni Distributor for the most up-to-date information.