

J105 Low VOC Basecoat Blender

Background

SHOP-LINE® J105 Low VOC Basecoat Blender is for use as a color blender when a low VOC product is required. For use with JBX and JBPX compliant systems. J105 aids in transitioning the color into the blend areas. J105 may also be applied to the repair area as a wet bed prior to applying basecoat color.

Components

Blender

J105 Low VOC Basecoat Blender

Reducer

JR555 Medium 65-75°F (18-24°C)

JR556 Slow 75-85°F (24-29°C)

JR557 Compliant Retarder 90°F (32°C) or greater

Compatible Products

Can be applied over:

Cleaned, cured and sanded OEM and refinish coatings

JP390 2.1 VOC Epoxy Primer

JP35x 2.1 VOC Multi-Purpose Primers

JP36x 2.1 VOC Urethane Sealers

Can be topcoated with:

JC7200 2.1 VOC HS European Clearcoat

JC780 2.1 Polyurethane Speed Clear

JC830 2.1 VOC Production Clear

Preparation

Surface Cleaning:

SXA330 Wax and Grease Remover

SWX350 (H₂O-SO-CLEAN®)

SX1009 2.9 VOC Bug and Tar Remover

SXA103 MULTI-PREP®

Sanding

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

Mixing



Ratios:

RTS	:	JR55x	:	JBX/JBPX Color
1	:	1	:	1

After proper color has been achieved, the ready to spray basecoat blender mixture is then mixed 1:1 with ready to spray JBX or JBPX basecoat.

Apply 1 - 2 medium coats onto the blend area extending each coat just beyond the first.



Wet Bed:

J105	:	JR55x
1	:	1

J105 may also be mixed at 1:1 with JR55x reducer and applied as a wet bed to the entire repair panel or blend area as needed prior to applying basecoat color.



* High Temp:

JBPX	:	JR557	:	JH6028
1	:	1	:	5%

***Note:** As an option for high temperature applications above 90°F, the use of JH6028 hardener and JR557 solvent are recommended.

Pot Life



Pot Life:	1 : 1 : 1	Standard:	Indefinite
	1 : 1	Wet Bed:	Indefinite
	1 : 1 +5%	High Temp:	8 hours at 70°F (21°C)

Air Pressure and Gun Setup



HVLP:	8 - 10 psi at the air cap
Compliant:	29 - 40 psi at the gun
Gun Setup:	1.3 - 1.6 mm or equivalent

Note: For best overall results, refer to spraygun manufacturer's recommendations for inlet air pressures.

Application



Coats:	1 - 2 coats or until blend is achieved
	See JBX or JBPX product bulletins for additional information.

Dry Times



Between Coats:	5 - 10 minutes at 70°F (21°C)
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Air Dry:	Dry:	30 minutes minimum, 24 hours maximum at 70°F (21°C) to clearcoat.
	Tape:	45 minutes

***Note:** J105 must be clearcoated

Clean Up

Clean spray guns, gun cups, storage pots, etc., thoroughly with JR Reducer, JT501 General Purpose Solvent or another appropriate clean up solvent after each use.
Follow EPA guidelines for proper storage and disposal of solvent-borne waste paint.

Properties

RTS Combinations:	J105 : JR55X : JBX/JBPX	J105 : JR55X	J105 :JR557 : JH6028
Volume Ratio:	1 : 1 : 1	1 : 1	1 : 1 : 5%
Applicable Use Category	Uniform Finish Ctg.	Uniform Finish Ctg.	Uniform Finish Ctg.
VOC Actual (g/L)	102-103	60	59
VOC Actual (lbs/gal)	0.85-0.86	0.50	0.49
VOC Regulatory (less water less exempt) (g/L)	330-401	312-325	265
VOC Regulatory (less water less exempt) (lbs/gal)	2.75-3.35	2.60-2.71	2.21
Density (g/L)	1132-1228	1252-1255	1247
Density (lbs/gal)	9.45-10.25	10.45-10.47	10.41
Volatiles wt. %	77.2-86.4	89.2-89.7	86.1
Solids by weight %	13.7-22.8	10.3-10.8	13.9
Solids by volume %	13.6-18.9	11.4-12.2	15.4
Water wt. %	0.0	0.0	0.0
Exempt wt. %	68.8-77.2	84.4-85.0	81.4
Water vol. %	0.0	0.0	0.0
Exempt vol. %	69.0-74.2	80.9-81.7	72.7
Sq. Ft. Coverage / US Gal 1 mil at 100% transfer efficiency	218-303	183-196	223



Limitations

Shop-Line products should not be combined with components of other product lines.

Precautionary Information:

The contents of this package may have to be blended with other components before the product can be use. 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 of 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

See Safety Data Sheet and Labels for additional safety information and handling instructions.

Safety Data Sheets for the PPG products mentioned in this publication are available through your PPG *Shop-Line* brand distributor. 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 *Shop-Line* brand distributor or visit www.ppgrefinish.com for the most up-to-date information.