

JP221 2.1 VOC 1K Primer Surfacer - Gray

Background

SHOP-LINE® JP221 is a fast drying gray, 2.1 VOC 1K Primer Surfacer designed for today's automotive collision centers in compliant markets requiring a rapid primer surfacer.

Components

Primer

JP221 2.1 VOC 1K Primer Surfacer - Gray

Reducer

JR554 Fast 55-65°F (13-18°C)
JR555 Medium 65-75°F (18-24°C)
JR556 Slow 75-85°F (24-29°C)

Compatible Products

Can be applied over:

Cleaned, sanded and etch primed steel, galvanized and aluminum.
Sanded and cleaned body filler, SMC and gel-coated fiberglass
Properly cleaned and sanded E-Coat
Cleaned, cured and sanded OEM and refinish coatings.
SX1071 Etch Primer
SU470LV 1K Compliant Adhesion Promoter
JP209 Gray Polyester Primer / Filler
JP390 VOC Epoxy Primer

Can be topcoated with:

JP390 2.1 VOC Epoxy Primer
JP35x 2.1 VOC Multi-Purpose Primers
JP36x 2.1 VOC Urethane Sealers
JBPX Shop-Line Plus 3.5 VOC Acrylic Urethane Basecoat
JBX 3.5 VOC Acrylic Basecoat
JTX 2.8 VOC Acrylic Urethane Direct Gloss
JLX 2.8 VOC Acrylic Enamel

Preparation

Surface Cleaning:

SXA330 Wax and Grease Remover
SWX350 (H₂O-SO-CLEAN™)
SX1009 2.9 VOC Bug and Tar Remover

Sanding

As a primer: 180 - 220 grit machine on bare steel
As a sealer: 320 - 400 grit machine on primer and old finishes

Mixing



Ratios:

JP221	:	JR55x
2	:	1



Pot Life:

8 hours at 70°F (21°C)
Thoroughly stir before each use



Additives:

None

Application



Coats: 2 - 3 coats

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.

Dry Times



Between Coats: 5 - 10 minutes at 70°F (21°C)



Air Dry: 30 - 40 minutes



Force Dry: 15 - 20 minutes at 140°F (60°C) metal temperature



IR: 10 - 15 minutes



Topcoat:
Air Dry
30 - 40 minutes at 70°F (21°C)
Force Dry
After cool down to recoat

Must lightly scuff before recoating.

Clean Up

Clean spray guns, gun cups, storage pots, etc., thoroughly with the appropriate clean up solvent such as JT571 0.21 VOC General Purpose Solvent after each use. Follow EPA guidelines for proper storage and disposal of solvent-borne waste paint.

Properties

Dry Film Build Per Coat	1.0 mil
Square foot coverage at 1 mil	247 sq. ft. gal. at 100% transfer

VOC	Primer-Surfacers
RTS Combinations:	JP221 : JR55x
Volume Ratio:	2 :1
Applicable Use Category	Primer
VOC Actual (g/L)	54
VOC Actual (lbs/gal)	.45
VOC Regulatory (less water less exempt) (g/L)	248 - 249
VOC Regulatory (less water less exempt) (lbs/gal)	2.07 - 2.08
Density (g/L)	1202 - 1248
Density (lbs/gal)	10.0 - 10.4
Volatiles wt. %	72.8 - 73.9
Solids wt. %	26.1 - 27.2
Water wt. %	0.1
Exempt wt. %	68.3 - 69.5
Water vol. %	0.1
Exempt vol. %	78.2 - 78.2



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

Material Data Safety 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.

The PPG Logo, *Shop-Line*, and *H₂O-So-Clean* are trademarks of PPG Industries Ohio, Inc.
