

JC7100

2.1 VOC HS European Multi-Panel Clearcoat

Background

SHOP-LINE® JC7100 2.1 VOC HS European Multi-Panel Clearcoat is designed for panel or overall repair or where a high gloss finish is desired. JC7100 can be used with a choice of two hardeners depending on job size and/or temperature requirements.

Components

Clear

JC7100 2.1 VOC HS European Multi-Panel Clearcoat

Hardener

JH7121 2.1 VOC HS European Multi-Panel Activator

65-85°F (18-29°C)

JH7131 2.1 VOC HS European Multi-Panel Activator High Temp 85°F+ (29°C+)

Compatible Products

Can be applied over:

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

Allow basecoat color to dry a minimum of 30 minutes and a maximum of 24 hours before clearing. After 24 hours the basecoat should be lightly sanded and reapplied before applying JC7100

Mixing



Ratios:

JC7100	:	JH71xx
2	:	1



Pot Life:

1.5 hours at 70°F (21°C)



Additives:

SLV4985	Universal	Flattening Agent, see ONECHOICE® product bulletin OC-7
SLV814	Universal	Flexibilizer add 10% to RTS quart
SLV73	Fisheye	Eliminator, 0.5 oz. to RTS quart
SL93LV	Accelerator	2% to RTS quart

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 : 2 - 3 medium wet coats

For optimum performance, final recommended film build is 2.0 - 2.5 mils dry

Dry Times



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



Air Dry:

	With JH7121	With JH7131
Dust:	45 - 65 minutes	2 - 3 hours
Tack:	2 - 3 hours	6 - 7 hours
Tape:	6 - 8 hours	6 - 8 hours



Force Dry: 30 minutes at 140°F (60°C)



IR: 10 - 15 minutes, full power



Polish:

Air Dry
8 - 12 hours or overnight at 70°F (21°C) to polish or to put into service
Force Dry
90 minutes cool down to polish and put in service



Recoat:

Air Dry
8 - 12 hours or overnight 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 thoroughly with JR reducers or JT571 0.21 General Purpose Solvent or other appropriate clean up solvent after each use. Follow EPA guidelines for proper storage and disposal of solvent-borne waste paint.

Properties

RTS Combinations	JC7100 : JH71xx	JC7100 : JH71xx : SL93LV	JC7100 : JH71xx : SLV814
Volume Ratio:	2 : 1	2 : 1 : 2%	2 : 1 : 10%
Applicable Use Category	Clear Coating	Clear Coating	Clear Coating (Flexed)
VOC Actual (g/L)	116 - 131	114 - 128	110 - 123
VOC Actual (lbs./gal)	0.97 - 1.09	0.95 - 1.07	0.92 - 1.03
VOC Regulatory (less water less exempt) (g/L)	216 - 234	216 - 234	210 - 226
VOC Regulatory (less water less exempt) (lbs./gal)	1.80 - 1.95	1.8 - 1.95	1.75 - 1.89
Density (g/L)	1183 - 1188	1186 - 1191	1188 - 1191
Density (lbs./gal)	9.87 - 9.91	9.90 - 9.94	9.91 - 9.94
Volatiles wt. %	60.8 - 61.7	61.7 - 62.5	62.0 - 62.8
Water wt. %	0.0	0.0	0.0
Exempt wt. %	49.8 - 51.9	50.9 - 52.9	51.7 - 53.6
Water vol. %	0.0	0.0	0.0
Exempt vol. %	43.9 - 46.0	45.0 - 47.0	45.8 - 47.6
Solids vol. %	40.2 - 40.5	39.5 - 39.8	39.4 - 39.7
Solids Weight %	38.3 - 39.2	37.0 - 38.3	37.1 - 38.0
Sq. Ft. Coverage / U.S. gal. 1 mil. @ 100% transfer efficiency	645 - 650	634 - 638	632 - 637



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 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 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.

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