

JC830 2.1 VOC Production Clear

Background

SHOP-LINE® JC830 2.1 VOC Production Clear is a value-minded clear coat designed for exceptional performance and throughput on spot and panel repairs. JC830 can be air dried or short baked offering speed and versatility. A choice of three hardeners and two reducers depending on job size and/or temperature requirements are also available.

Components

Clear

JC830 2.1 VOC Production Clear

Hardener

JH8370 Low Temp 65-75°F (18-24°C)

JH8380 Medium Temp 75-90°F (24-35°C)

JH8390 High Temp 90°F and above (35°C)

Reducer

JR555 Medium 65°F-75°F (18-24°C)

JR556 Slow 75°F-90°F (24-35°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 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 JC830.

Mixing



Ratios:

	JC830	:	JH83xx	:	(Optional) JR555/JR556
	4	:	1	:	0.5*



Pot Life:

**Up to 0.5 part of reducer may be added if needed*

1.5 hours at 70°F (21°C)



Additives:

SLV4985	Low VOC Universal Flattening Agent, Refer to ONECHOICE® bulletin OC-7
SLV814	Universal Flexiblizer (see page 2)
SLV73	Fisheye Eliminator add 0.5 oz. RTS quart
JR557	Retarder - up to 10% of total reducer can be added

Application



Coats:

2 - 3 medium wet coats

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

Air Pressure and Gun Setup



HVLP:	8 - 10 psi at the air cap
Conventional:	45 - 55 psi at the gun
Compliant:	29 - 40 psi at the gun
Gun Setup:	1.3 - 1.6 mm or equivalent

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

Dry Times



Between Coats: 2 - 5 Minutes



Air Dry:	With JH8370	With JH8380	With JH8390
Dust:	20 - 35 minutes	25 - 40 minutes	30 - 45 minutes
Tack:	70 - 90 minutes	80 - 100 minutes	80 - 100 minutes
Tape:	3 - 4 hours	3 - 4 hours	3 - 4 hours



Polish: Air dry: 3 - 4 hours
Force dry: After cool down
Force Dry: 20 min. at 120°F (49°C)



Recoat: 4 - 6 hours or overnight at 70°F (21°C)

IR (Infrared): 10 - 15 minutes, full power

Clean Up

Clean spray guns, gun cups, storage pots thoroughly with JR reducer or JT571 0.21 VOC 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 / Technical Data

RTS Combinations

	JC830 : JH83xx : JR55x	JC830 : JH83xx : JR55x : SLV814
Volume Ratio:	4 : 1 : 0.5	4 : 1 : 0.5 +10%
Applicable Use Category	Clear Coating	Clear Coating (Flexed)
VOC Actual (g/L)	143 - 157	134
VOC Actual (lbs/gal)	1.19 - 1.31	1.12
VOC Regulatory (less water less exempt) (g/L)	249	1241
VOC Regulatory (less water less exempt) (lbs/gal)	2.08	2.01
Density (g/L)	1160 - 1177	1182
Density (lbs/gal)	9.68- 9.82	9.86
Volatiles wt. %	55.8 - 60.4	61.6
Water wt. %	0.0 - 0.1	0.0
Exempt wt. %	42.3 - 48.3	50.3
Water vol. %	0.0	0.0
Exempt vol. %	36.8 - 42.3	44.5
Solids vol. %	41.3 - 45.5	40.4
Solids weight %	39.6 - 44.2	38.4
Sq. Ft. Coverage / U.S. gal. 1 mil. @ 100% transfer efficiency	662 - 730	648



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 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 *Shop-Line* brand distributor.

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