

## 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	Hardener	Reducer
JC830 2.1 VOC Production Clear	JH8370 Low Temp 65-75°F (18-24°C) JH8380 Medium Temp 75-90°F (24-32°C) JH8390 High Temp 90°F and above (32°C)	JR555 Medium 65°F-75°F (18-24°C) JR556 Slow 75°F-90°F (24-32°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 JC830.

### Mixing



Ratios:

JC830	:	JH83xx	:	JR555/JR556
4	:	1	:	0.5*

(Optional)

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



Pot Life:

1.5 hours at 70°F (21°C)



Additives:

SLV4985	Low VOC Universal Flattening Agent, Refer to ONECHOICE® bulletin OC-7
SLV814	Universal Flexibilizer add 10% to RTS quart
SLV73	Fisheye Eliminator add 0.5 oz. RTS quart
JR557	Retarder - up to 10% of total reducer can be added
SL93LV	Accelerator, add 2% to RTS quart

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## Air Pressure and Gun Setup

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**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.

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## Application

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**Coats:** 2 - 3 medium wet coats

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

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## Dry Times

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**Between Coats:** 2 - 5 Minutes



**Air Dry:**

	<b>With JH8370</b>	<b>With JH8380</b>	<b>With JH8390</b>
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



**Force Dry:** 20 min. at 120°F (49°C)



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



**Polish:**

**Air Dry:**  
3 - 4 hours at 70°F (21°C)  
**Force Dry:**  
After cool down



**Recoat:**

**Air Dry:**  
4-6 hours or overnight at 70°F (21°C)  
**Force Dry:**  
After force cure and cool down

Must lightly scuff before recoating

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## Clean Up

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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.

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## Properties

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<b>RTS Combinations:</b>	<b>JC830 : JH83xx : JR55x</b>	<b>JC830 : JH83xx : JR55x + SL93LV</b>	<b>JC830 : JH83xx : JR55x + SLV814</b>
Volume Ratio:	4 : 1 : 0.5	4 : 1 : 0.5 + 2%	4 : 1 : 0.5 + 10%
Applicable Use Category	Clear Coating	Clear Coating	Clear Coating
VOC Actual (g/L)	143-157	140	134
VOC Actual (lbs./gal)	1.19-1.31	1.17	1.12
VOC Regulatory (less water less exempt) (g/L)	249	248	249
VOC Regulatory (less water less exempt) (lbs./gal)	2.08	2.07	2.01
Density (g/L)	1160-1177	1179	1182
Density (lbs./gal)	9.68-9.82	9.84	9.86
Volatiles wt. %	55.8-60.4	61.3	61.6
Water wt. %	0.0-0.1	0.0	0.0
Exempt wt. %	42.3-48.3	49.4	50.3
Water vol. %	0.0	0.0	0.0
Exempt vol. %	36.8-42.3	43.7	44.5
Solids vol. %	41.3-45.5	40.6	40.4
Solids weight %	39.6-44.2	38.7	38.4
Sq. Ft. Coverage 1 mil at 100% transfer	662-730	651	648



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### Limitations

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

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### 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.

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### Medical Response:

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

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### 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](http://www.ppgrefinish.com) for the most up-to-date information.

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