

JTX 2.8 VOC Direct Gloss Acrylic Urethane

Background

SHOP-LINE® JTX is a low VOC, fast drying acrylic urethane direct gloss topcoat designed for today's automotive collision centers. It is available in both solid and metallic finishes.

Components

Primer	Hardener	Reducer
JTX 2.8 VOC Direct Gloss Acrylic Urethane	JH6028 Low VOC Hardener	JR555 Medium 65-75°F (18-24°C) JR556 Slow 75-85°F (24-29°C) JR557 Retarder 85-95°F (29-35°C)

Compatible Products

Can be applied over:	Can be topcoated with:
Cured, cleaned and sanded OEM and refinish coatings. JP390 2.1 VOC Epoxy Primer JP221 2.1 VOC 1K Primer Surfacer JP35x 2.1 VOC Multi-Purpose Primers JP36x 2.1 VOC Urethane Sealers	JC7100 2.1 VOC HS European Multi-Panel Clearcoat JC7200 2.1 VOC HS European Clearcoat JC780 2.1 Polyurethane Speed Clear JC781 2.1 Polyurethane High Gloss Clear JC830 2.1 VOC Production Clear

Preparation

Surface Cleaning:	Sanding
SXA330 Wax and Grease Remover SWX350 (H ₂ O-SO-CLEAN™) SX1009 2.9 VOC Bug and Tar Remover	320 grit machine or 500 grit (wet) on old finishes and primer surfacers

Mixing



Ratios:

JTX	:	JH6028	:	JR55x
4	:	1	:	2

For metallic colors, up to 1 additional part of reducer may be added as needed



Pot Life:

8 hours



Additives:

SLV814	Universal Flexiblizer add 10% to RTS quart
SLV4985	Universal Flattening Agent, Refer to ONECHOICE® product bulletin OC-7

Do Not Use SLV73 Fisheye Eliminator in JTX 2.8 VOC Direct Gloss Acrylic urethane when using JR556 or JR557 reducers

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 coats or until proper color is achieved.
	Cross coat as needed.

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

Dry Times



Between Coats:	5 - 10 minutes at 70°F (21°C)
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Air Dry:	Dust: 1 hour
	Tack: 4 - 6 hours
	Tape: 12 hours



Force Dry:	30 minutes at 140°F (60°C)
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IR:	Medium wave 75% power for 30 minutes
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Polish:	Air Dry 16 - 24 hours at 70°F (21°C) to polish and put into service
	Force Dry 8 hours to polish and put into service



Recoat:	Air Dry 16 - 24 hours at 70°F (21°C)
	Force Dry 8 hours
	Must lightly scuff before recoating

Clean Up

Clean spray guns, gun cups, storage pots, etc., thoroughly with JR Reducer, JT571 0.21 VOC 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

Dry Film Build per coat:

Applied 4:1:2 0.8 - 1.2 mils per coat, dry

Square foot coverage at 1 mil

Applied 4:1:2 598 - 707 sq. ft. / gal. at 100% transfer

RTS Combinations:	JTX Color (Package)	JTX : JH6028 : JR55x	JTX : JH6028 : JR55x : SLV814 (Flexible)
Volume Ratio:	N/A	4 : 1 : 2	4 : 1 : 2 +10%
Applicable Use Category	Single Stage Coating	Single Stage Coating	Single Stage Coating
VOC Actual (g/L)	278 - 355	167 - 210	155 - 195
VOC Actual (lbs/gal)	2.32 - 2.96	1.39 - 1.75	1.30 - 1.63
VOC Regulatory (less water less exempt) (g/L)	310 - 404	262 - 335	255 - 323
VOC Regulatory (less water less exempt) (lbs/gal)	2.59 - 3.37	2.19 - 2.80	2.13 - 2.70
Density (g/L)	1013 - 1276	1088 - 1279	1101 - 1274
Density (lbs/gal)	8.45 - 10.65	9.08 - 10.67	9.19 - 10.63
Volatiles wt. %	32.7 - 52.1	49.7 - 63.6	51.8 - 64.6
Solids wt. %	47.9 - 67.3	36.4 - 50.3	35.4 - 48.2
Water wt. %	0.0	0.0	0.0
Exempt wt. %	10.8 - 19.3	36.2 - 45.8	39.2 - 47.9
Water vol. %	0.0	0.0	0.0
Exempt vol. %	8.2 - 17.0	35.2 - 40.2	37.8 - 42.4



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.

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