



GENERAL INFORMATION

A 2K (two-component) polyurethane that may be used as a high-gloss topcoat or clear coated to become a 2K polyurethane basecoat. Designed for fleet and OE refinishing/finishing applications. Formulated to meet both 3.5-VOC and National Rule-VOC regulations depending on reducer selection. Provides unmatched gloss and depth of image as a topcoat while offering productive tape and topcoat times as a basecoat. May be clear coated with a variety of Valspar Refinish clear coats.



1. COMPONENTS

- 840 Series Mixed Color
- HPC0 Activator Slow
- HPC1 Activator Medium
- HPC2 Activator Fast
- HPC3 Activator Very Fast
- 171 Reducer Fast
- 172 Reducer Medium
- 173 Reducer Slow
- 174 Reducer Very Slow
- 171HP Reducer High Performance Fast
- 172HP Reducer High Performance Medium
- 173HP Reducer High Performance Slow
- 174HP Reducer High Performance Very Slow
- X01 Reducer Fast Low VOC
- X02 Reducer Medium Low VOC
- LVBF100 Reducer Fast Low VOC
- LVBM100 Reducer Medium Low VOC
- LVBS100 Reducer Slow Low VOC
- T566 Accelerator
- T152 Universal Fisheye Eliminator



2. MIXING RATIO (3:1:0-10%)

- Mix three (3) parts 2K 840 Color with one (1) part HPC Series Activators
- If desired, reduce up to 10% with solvents or reducers listed above

USA/Canadian VOC compliant rules:

- For VOC 5.0 compliant use 170 or 170HP Series Reducers
- For VOC 3.5 compliant use Low VOC Reducers: X01, X02 or LVB100 Series Reducers



3. POT LIFE @ 77°F (25°C)

- 4 hours



4. CLEAN UP

- Use Valspar Refinish Reducers listed above (check local regulations)



5. ADDITIVES

For VOC 3.5 Compliance:

- ACCELERATOR: T566 max 8 grams per RTS gallon
- FISHEYE: T152 Fisheye Eliminator max 8 grams per RTS gallon
- FLEX ADDITIVE: N/A

For National Rule VOC 5.0 Compliance:

- ACCELERATOR: T566 0-2%
- FISHEYE: T152 Fisheye Eliminator max 1%
- FLEX ADDITIVE: N/A

NOTE: Using 2% T566 may require a final coat of clear coat for gloss/appearance



6. SURFACE PREPARATION

USE RECOMMENDED UNDERCOAT SYSTEM FOLLOWING RECOMMENDED PROCEDURES

- Finish sand with P320-P400 grit dry sandpaper or wet equivalent
- Mask all adjacent areas to prevent over spray problems



7. TOPCOATS (optional)

For National Rule Compliance:

- AC4400 Clear Coat

For 3.5 Compliance:

- AC2100 Clear Coat



8. TECH NOTES

- N/A



9. SUBSTRATES

- All Valspar 2K Primer/ Sealers
- Properly Prepared OEM Finish



10. APPLICATION

- Spray two (2) to three (3) medium wet coats
- Allow 10 -15 minutes flash time between coats

NOTE: Do not spray when surface temperature is below 50°F 10°C)



11. FLASH / DRY TIMES

AIR DRY @ 77°F (25°C)

Flash between coats	10-15 Minutes.
To Tape (Direct Gloss)	4 Hours
To Tape (Basecoat)	1 Hour *
To Clear Coat	30 Minutes
To Deliver	6-8 Hours

*With 4 oz. of T566 per sprayable gallon

FORCE DRY

Flash before Force Dry	20 Minutes
Force Dry Time	30 Minutes @ 130°F (54°C)
To Sand/Buf	After Cool Down (1-2 Hours)



12. INFRARED CURE

- See Infrared Curing Information



13. GUN SET UP

SEE PAGE 2



If used as instructed, this product is designed to comply with the US and Canadian National Volatile Organic Compound (VOC) Emission Standard for Automobile Refinish Coatings. Confirm compliance with state and local air quality rules before use. The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. Valspar assumes no obligation or liability for use of this information. **UNLESS VALSPAR AGREES OTHERWISE IN WRITING, VALSPAR MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. VALSPAR WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.** Your only remedy for any defect in this product is the replacement of the defective product, or a refund of its purchase price, at our option.



13. GUN SET UP (continued)

CONVENTIONAL GUN	
Gravity Feed	1.5 mm - 1.8 mm
Siphon Feed	1.6 mm - 1.8 mm
HVLP	
Gravity Feed	1.3 mm - 1.5 mm
Pressure Pot	6 -10 psi at Pot
Fluid Deliver	14 - 18 oz. per Minute

AIR PRESSURES

Conventional @ Gun	PANEL
Gravity Feed	30-35 psi (2.0-2.5 bar)
Siphon Feed	35-45 psi (2.5-3.1 bar)
HVLP Inlet Air	30 psi (2.0 bar)
See spray gun manufacturer info	



14. PHYSICAL DATA

FOR USA/Canada (5.0/3.5 LBS./GAL Compliance)

RTS REGULATORY DATA	3:1:0-10%		3:1:0-10%	
	(170 or 170HP Series Reducers)		(X01, X02 or LVB100 Series Reducers)	
	LBS./ GAL.	g/L	LBS./ GAL.	g/L
Actual VOC	4.75 Max.	570 Max.	3.15 Max.	380 Max.
Regulatory VOC (less water and exempt solvents)	5.0 Max.	600 Max.	3.5 Max.	420 Max.
Density	7 - 11	840 - 1320	7 - 11	840 - 1320
	WT.%	VOL.%	WT.%	VOL. %
Total Solids Content	30 - 60	30 - 70	30 - 60	30 - 70
Total Volatile Content	40 - 70	30 - 70	40 - 70	30 - 70
Water	0	0	0	0
Exempt Compound Content	5 - 15	5 - 15	10 - 25	10 - 25
Coating Category	Single-Stage			

NOTE: Values reflect use with and without optional additives. US/Canadian Regulations allow for the use of exempt compounds for VOC calculations.



FOR REST-OF-WORLD (outside US and Canada):

RTS REGULATORY DATA	3:1:0-10%	
	(170 or 170HP Series Reducers)	
	LBS./GAL.	g/L
VOC	5.0 Max.	600 Max.
Density	7 - 11	840 - 1320
	WT.%	VOL. %
Total Solids Content	30 - 60	30 - 70
Total Volatile Content	40 - 70	30 - 70
Water	0	0
Coating Category	Single-Stage	

NOTE: Values reflect use with and without optional additives.

NOTES

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