



GENERAL INFORMATION

CPSHS Primer is a colored Multi-Use 2K (two-component) Polyurethane primer. Mixed as a surfacer, CPSHS provides the ultimate in performance, productivity, adhesion, and superior sanding characteristics. Mixed as a sealer, CPSHS provides excellent leveling and color uniformity.



1. COMPONENTS

- CPSHS CPS Surfacers/Sealer Baes HS
- CPS 1-5 CPS Hi Opacity Tints
- HPC0 Activator Slow
- HPC1 Activator Medium
- HPC2 Activator Fast
- HPC3 Activator Very Fast
- LVBF100 Reducer Fast Low VOC
- LVBM100 Reducer Medium Low VOC
- LVBS100 Reducer Slow Low VOC
- 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



2. MIXING RATIO

For proper mixing, the CPS Toners MUST be used:

- Mix three (3) parts CPSHS to one (1) part CPS 1-5 to create desired color then activate and reduce for desired application

AS PRIMER SURFACER- 4:1:1 (by volume)

- Mix four (4) parts CPSHS to one (1) part HPC Series Activators and reduce with one (1) part solvents or reducers listed above

USA VOC compliant rules:

- For VOC 4.8 compliant use 170 or 170HP Series Reducers
- For VOC 2.8 compliant use Low VOC Reducers: X01, X02 or LVB100 Series Reducers

AS PRIMER SEALER- 4:1:2 (by volume)

- Mix four (4) parts CPSHS to one (1) part HPC Series Activators and reduce with two (2) parts solvents or reducers listed above

NOTE: HPC3 is not recommended for use in sealer application

USA/Canadian VOC compliant rules:

- For VOC 4.6 compliant use 170 or 170HP Series Reducers
- For VOC 2.8 compliant use Low VOC Reducers: X01, X02 or LVB100 Series Reducers



3. POT LIFE @ 77°F (25°C)

	HPC0	HPC1	HPC2	HPC3
As Surfacers	40 min.	40 min.	30 min.	20 min.
As Sealer	45 min.	45 min.	35 min.	N/A



4. CLEAN UP

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



5. ADDITIVES

- N/A



6. SURFACE PREPARATION



- Over bare metal apply anti-corrosive primer(s) per data sheets instruction and allow to dry per instruction before applying CPSHS
- Over previously painted substrates, abrade well with 400-600 grit sand paper then wipe clean with an approved waterborne or solvent borne surface wipe

7. TOPCOATS

- All Valspar Refinish Topcoats



8. TECH NOTES

- N/A



9. SUBSTRATES

- Properly prepared previously prepared surfaces
- Properly prepared OEM finishes
- VP50 Series Epoxy Primer
- DTM Series Primer
- SE88
- ASE200



10. APPLICATION

- Spray one (1) to three (3) medium wet coats or until desired build is achieved
- Do not exceed 6 mils 150 µm
- Allow each coat 5-10 minutes flash or until flash is dull
- Surface temperature should be 50 - 100°F (10 - 38°C) with less than 80% ambient humidity preferred



11. FLASH / DRY TIMES

AIR DRY @ 77°F (25°C)

	AS PRIMER SURFACER	AS PRIMER SEALER
Flash between coats	5-10 min.	4-8 min.
To Sand	60 min.	Nib Sand 20 min.
To Topcoat	60 min.	20 min.

NOTE: When applied as a sealer:

- After 24 hours, Surface must be scuffed before applying basecoat or topcoat



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

CONVENTIONAL GUN	AS PRIMER SURFACER	AS PRIMER SEALER
Gravity Feed	1.4 mm - 1.8 mm	1.3 mm - 1.5 mm
Siphon Feed	1.4 mm - 1.8 mm	
HVLP		
Gravity Feed	1.4 mm - 1.6 mm	1.3 mm - 1.4 mm

AIR PRESSURES

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



14. PHYSICAL DATA

FOR USA (4.8/2.8 LBS./GAL Compliance):

RTS REGULATORY DATA	4:1:1 (170 or 170HP Series Reducers)		4:1:1 (X01, X02 or LVB100 Series Reducers)	
	LBS./ GAL.	g/L	LBS./ GAL.	g/L
	Actual VOC	4.79 Max.	575 Max.	2.6 Max.
Regulatory VOC (less water and exempt solvents)	4.8 Max.	580 Max.	2.8 Max.	340 Max.
Density	10 - 13	1200 - 1560	10 - 13	1200 - 1560
	WT.%	VOL.%	WT.%	VOL.%
Total Solids Content	60 - 70	45 - 55	60 - 70	45 - 55
Total Volatile Content	30 - 40	45 - 55	30 - 40	45 - 55
Water	0	0	0	0
Exempt Compound Content	1 - 5	1 - 5	15 - 20	15 - 20
Coating Category	Primer Surfacers			

NOTE: US Regulations allow for the use of exempt compounds for VOC calculations.



14. PHYSICAL DATA (Continued)

FOR USA/Canada (4.6/2.8 LBS./GAL Compliance):

RTS REGULATORY DATA	4:1:2 (170 or 170HP Series Reducers)		4:1:2 (X02 or LVB100 Series Reducers)	
	LBS./ GAL.	g/L	LBS./ GAL.	g/L
	Actual VOC	4.59 Max.	545 Max.	2.45 Max.
Regulatory VOC (less water and exempt solvents)	4.6 Max.	550 Max.	2.8 Max.	340 Max.
Density	10 - 13	1200 - 1560	10 - 13	1200 - 1560
	WT.%	VOL.%	WT.%	VOL.%
Total Solids Content	50 - 60	40 - 50	45 - 55	30 - 40
Total Volatile Content	40 - 50	50 - 60	45 - 55	60 - 70
Water	0	0	0	0
Exempt Compound Content	1 - 5	1 - 5	25 - 35	25 - 35
Coating Category	Primer Sealer			

NOTE: US/Canadian Regulations allow for the use of exempt compounds for VOC calculations.

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

RTS REGULATORY DATA	4:1:1 (170 or 170HP Series Reducers)		4:1:2 (170 or 170HP Series Reducers)	
	LBS./ GAL.	g/L	LBS./ GAL.	g/L
	VOC	4.0 Max.	480 Max.	4.6 Max.
Density	10 - 13	1200 - 1560	10 - 13	1200 - 1560
	WT.%	VOL.%	WT.%	VOL.%
Total Solids Content	60 - 70	45 - 55	50 - 60	40 - 50
Total Volatile Content	30 - 40	45 - 55	40 - 50	50 - 60
Water	0	0	0	0
Coating Category	Primer Surfacers		Primer Sealer	

NOTES

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