valspar
REFINISH

CPS2035
CPS DTM Surfacer/Sealer Base

GENERAL INFORMATION
Formulated to provide the ultimate in performance, productivity, versatility, adhesion, durability and moisture/corrosion resistance, as well as superior sanding and sealing characteristics. Can be used as a primer surfacer or as a sealer. Has low Hazardous Air Polluting Solvents (HAPS) and no isocyanates. Short dry times.

1. COMPONENTS

• CPS2035	CPS DTM Surfacer/Sealer Base
• CPS 1-5	CPS Hi Opacity Tints
• DTMA2035	Activator for DTM2035
• 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

2. MIXING RATIO
• Mix three (3) parts CPS2035 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 CPS2035 to one (1) part DTMA2035 activator 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 3.5 compliant use Low VOC Reducers: X01, X02 or LVB100 Series Reducers

AS PRIMER SEALER- 4:1:2 (by volume)
• Mix four (4) parts CPS2035 to one (1) part DTMA2035 activator and reduce with two (2) parts solvents or reducers listed above

USA VOC compliant rules:
• For VOC 4.6 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)
• 45-60 Minutes

4. CLEAN UP
• Use Valspar Refinish Reducers listed above (check local regulations)

5. ADDITIVES
• N/A

6. SURFACE PREPARATION
• Wipe surface with 155 Surface Cleaner (steel) or 170 Aqua Clean (steel/aluminum) and wipe dry with clean cloth before product flashes
• Sand and featheredge substrate with P320 grit sandpaper or equivalent.
• Clean surface with 155 Surface Cleaner or 170 Aqua Clean and wipe dry with clean cloth before product flashes

7. TOPCOATS
• N/A

8. TECH NOTES
• N/A

9. SUBSTRATES
• Properly cleaned and sanded aluminum, steel, galvanized steel or sand blasted steel
• Properly cleaned and sanded fiberglass, SMC, E-Coat and OEM Finish

10. APPLICATION
AS PRIMER SURFACER:
• Spray one (1) to three (3) medium wet coats
• Allow 10-15 minutes between or until surface has dulled to a matte finish
• Recommended Dry Film Thickness 1.0-4.0 mils (25-100 µm)

AS PRIMER SEALER:
• Spray one (1) medium coat
• Recommended Dry Film Thickness 0.6-1.0 mils (15-25 µm)

NOTE:
• Surface temperature should be 50-100°F (10-38°C) with less than 80% humidity preferred
• If sealer is allowed to dry more than 12 hours before topcoating, sealer must be re-sanded

11. FLASH / DRY TIMES
AIR DRY @ 77°F (25°C)

	AS PRIMER SURFACER	AS PRIMER SEALER
Flash Time	10-15 Minutes	5-10 Minutes
To Sand	60-90 Minutes	Nib Sand 20 Minutes
To Topcoat	30 Minutes	20-30 Minutes
To Topcoat Without Sanding	N/A	8 Hours Maximum

12. INFRARED CURE
• N/A

13. GUN SET UP
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13. GUN SET UP (continued)

CONVENTIONAL GUN	AS PRIMER SURFACER	AS PRIMER SEALER
Nozzle	1.5-1.9 mm	1.3-1.5 mm
Air Cap	1.5-1.9 mm	1.3-1.5 mm
Inlet Air Pressure	30-45 psi (2.0-3.1 bar)	30-45 psi (2.0-3.1 bar)

HVLP	AS PRIMER SURFACER	AS PRIMER SEALER
Nozzle	1.5-1.9 mm	1.3-1.5 mm
Air Cap	1.5-1.9 mm	1.3-1.5 mm
Inlet Air Pressure	20-30 psi (1.5-2.0 bar)	25-35 psi (1.7-2.5 bar)
See spray gun manufacturer info		

14. PHYSICAL DATA

FOR USA (4.8/3.5 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	4.1 Max.	495 Max.	2.5 Max.	295 Max.
Regulatory VOC (less water and exempt solvents)	4.8 Max.	580 Max.	3.5 Max.	420 Max.
Density	10 - 13	1200 - 1560	10 - 13	1200 - 1560
	WT.%	VOL.%	WT.%	VOL. %
Total Solids Content	50 - 60	35 - 45	50 - 60	35 - 45
Total Volatile Content	40 - 50	55 - 65	40 - 50	55 - 65
Water	0	0	0	0
Exempt Compound Content	15 - 25	15 - 25	30 - 40	30 - 40
Coating Category	Primer Surfacer			

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

14. PHYSICAL DATA (continued)

FOR USA (4.6/3.5 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	3.9 Max.	470 Max.	2.1 Max	250 Max.
Regulatory VOC (less water and exempt solvents)	4.6 Max.	550 Max.	3.5 Max.	420 Max.
Density	10 - 12	1200 - 1440	10 - 12	1200 - 1440
	WT.%	VOL.%	WT.%	VOL. %
Total Solids Content	45 - 55	30 - 40	45 - 55	30 - 40
Total Volatile Content	45 - 55	60 - 70	45 - 55	60 - 70
Water	0	0	0	0
Exempt Compound Content	15 - 25	15 - 25	35 - 45	40 - 50
Coating Category	Primer Sealer			

NOTE: US 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	5.6 Max.	680 Max.	6.0 Max	720 Max.
Density	10 - 13	1200 - 1560	10 - 12	1200 - 1440
	WT.%	VOL.%	WT.%	VOL. %
Total Solids Content	50 - 60	35 - 45	45 - 55	30 - 40
Total Volatile Content	40 - 50	55 - 65	45 -55	60 - 70
Water	0	0	0	0
Coating Category	Primer Surfacer		Primer Sealer	

NOTES

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