



GENERAL INFORMATION

Tintable, 1K (single component), non-sanding primer sealer. Excellent adhesion and moisture resistance. Very good durability and corrosion resistance. Fast dry time. Must be combined with five (5) CPS Toners to create a large range of Colored Primers.



1. COMPONENTS

- 999EN CPS Enamel Primer Base
- CPS 1-5 CPS Hi Opacity Tints
- 171 Reducer Fast
- 172 Reducer Medium
- 173 Reducer Slow
- 174 Reducer Very Slow
- LVBF100 Reducer Fast Low VOC
- LVBM100 Reducer Medium Low VOC
- LVBS100 Reducer Slow Low VOC
- X01 Reducer Fast Low VOC
- X02 Reducer Medium Low VOC
- 171HP Reducer High Performance Fast
- 172HP Reducer High Performance Medium
- 173HP Reducer High Performance Slow
- 174HP Reducer High Performance Very Slow
- HPC1 Activator Medium



2. MIXING RATIO

AS PRIMER SEALER- 3:1:30% (by volume)

- Mix three (3) parts 999EN to one (1) part CPS 1-5 to create desired color then reduce 30% with 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

OPTIONAL MIXING RATIO:

- Mix ten (10) parts 999EN mixed color to one (1) part HPC1 activator and reduce 30% with solvents and reducers listed above. Use reducers listed above to meet 4.6/3.5 specified VOC limits.



3. POT LIFE @ 77°F (25°C)

- 4 hours with activator



4. CLEAN UP

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



5. ADDITIVES

- N/A



6. SURFACE PREPARATION

- Wash surface with mild detergent and water
- Rinse and dry surface
- 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 dry sandpaper or wet 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 prepared OEM
- Properly prepared previously painted surfaces
- Properly treated steel and aluminum
- SE88



10. APPLICATION

- Spray one (1) to two (2) medium wet coats allowing 20 minutes between coats
- Allow each coat to flash dull

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	20 Minutes.
To Topcoat	40 Minutes



12. INFRARED CURE

- N/A



13. GUN SET UP



CONVENTIONAL GUN	
Gravity Feed	1.3 mm - 1.5 mm
Siphon Feed	1.6 mm - 1.8 mm
HVLP	
Gravity Feed	1.3 mm - 1.5 mm

AIR PRESSURES

Conventional @ Gun	PANEL
Gravity Feed	35-40 psi (2.5-2.8 bar)
Siphon Feed	40-50 psi (2.8-3.4 bar)
HVLP Inlet Air	30 psi (2.0 bar)
See spray gun manufacturer info	



14. PHYSICAL DATA

SEE PAGE 2

If used as instructed, this product is designed to comply with the US 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.



14. PHYSICAL DATA (Continued)
FOR USA (4.6/3.5 LBS./GAL Compliance)

NOTES

RTS REGULATORY DATA	30% Reduction (170 or 170HP Series Reducers)		30% Reduction (X01, X02 or LVB100 Series Reducers)	
	LBS./GAL.	g/L	LBS./GAL.	g/L
	Actual VOC	4.5 Max.	545 Max.	2.8 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	60 - 70	40 - 50	50 - 60	35 - 45
Total Volatile Content	30 - 40	50 - 60	40 - 50	55 - 65
Water	0	0	0	0
Exempt Compound Content	1 - 10	1 - 10	20 - 30	20 - 30
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	30% Reduction (170 or 170HP Series Reducers)	
	LBS./GAL.	g/L
	VOC	4.8 Max.
Density	10 - 12	1200 - 1440
	WT. %	VOL. %
Total Solids Content	60 - 70	40 - 50
Total Volatile Content	30 - 40	50 - 60
Water	0	0
Coating Category	Primer Sealer	

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