



## GENERAL INFORMATION

A 2.1-VOC, high-solids (HS) primer filler designed to offer quality fill, productive dry, ease of sanding and excellent adhesion.



## 1. COMPONENTS

- 9870 Universal Primer/Sealer
- 9730 Activator Fast
- 9740 Activator Medium
- 9750 Activator Slow
- 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



## 2. MIXING RATIO

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

- Mix four (4) parts 9870 with one (1) part 9730, 9740 or 9750 Activator

### For USA/Canada VOC compliant rules:

- For 2.1 VOC compliance use components listed above

### AS PRIMER SEALER - 4:1:10% (by volume)

- Mix four (4) parts 9870 with one (1) part 9730, 9740 or 9750 Activator and reduce with 10% of solvents or reducers listed above

### For USA/Canada VOC compliant rules:

- For 2.1 VOC compliance use Low VOC Reducers: LVB100 Series Reducers
- For 2.8 VOC compliance use 170 or 170HP Series Reducers



## 3. POT LIFE @ 77°F (25°C)

- 30 minutes to one (1) hour, depending on activator selection



## 4. CLEAN UP

- Use Valspar Refinish exempt reducers (check local regulations)



## 5. ADDITIVES

- N/A



## 6. SURFACE PREPARATION

- Wipe with a post sanding cleaner following manufacturer's directions
- Sand and featheredge substrate P220-P320 grit



## 7. TOPCOATS

- N/A



## 8. TECH NOTES

- N/A



## 9. SUBSTRATES

- Properly treated steel, aluminum and galvanized metals
- Fiberglass
- SMC
- Properly sanded OEM finishes
- Epoxy Primers
- Etching Primer



## 10. APPLICATION

Number of Coats	2-3
Application Density	Medium-wet to wet
Overlap	50%
Flash	5-10 minutes or until surface is dull
Film Thickness Range	
Dry	3.0 mils - 6.0 mils/75 - 150 µm
Application Conditions	
Min. Temp	50°F/10°C (Substrate Temp.)
Max. Temp	100°F/38°C (Substrate Temp.)
Ambient Humidity	Less than 80% preferred



## 11. FLASH / DRY TIMES

### Ambient Application (Reported at 77°F/25°C and 80% Humidity)

To Sand	1 hour
To Topcoat	1 hour

### Force Dry (Convection Heat of 145°F/60°C)

Purge time before applying heat	10 minutes
Force Dry Time	20 minutes @ 145° F/60°C
Sand	After cool down

**NOTE:** Dry times may vary due to temperature, airflow, humidity and film thickness



## 12. INFRARED CURE

- N/A



## 13. GUN SET UP

CONVENTIONAL	
Gravity Feed	1.4 mm - 1.8 mm
Siphon Feed	1.6 mm - 2.0 mm
HVLP	1.4 mm - 1.8 mm

### AIR PRESSURES

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

If used as instructed, this product is designed to comply with VOC standards in low-VOC jurisdictions. 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

FOR USA/Canada (2.1 LBS./GAL Compliance):

RTS REGULATORY DATA:	4:1	
	(No Reduction)	
	LBS./GAL	g/L
Actual VOC	1.5 Max.	175 Max.
Regulatory VOC (less water and exempt solvents)	2.1 Max.	250 Max.
Density	11 - 13	1320 - 1560
	WT.%	VOL.%
Total Solids Content	60 - 65	45 - 50
Total Volatile Content	35 - 40	50 - 55
Water Content	0	0
Exempt Compound Content	25 - 30	30 - 35
Coating Category	Primer Surfacer	

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

FOR USA/Canada (2.1/2.8 LBS./GAL Compliance)

RTS REGULATORY DATA	4:1:10%		4:1:10%	
	(170 or 170HP Series Reducers)		(LVB100 Series Reducers)	
	LBS./GAL.	g/L	LBS./GAL.	g/L
Actual VOC	2.1 Max.	250 Max.	1.3 Max.	160 Max.
Regulatory VOC (less water and exempt solvents)	2.8 Max.	340 Max.	2.1 Max.	250 Max.
Density	11 - 13	1320 - 1560	11 - 13	1320 - 1560
	WT.%	VOL.%	WT.%	VOL. %
Total Solids Content	57 - 62	42 - 46	57 - 62	42 - 46
Total Volatile Content	38 - 43	54 - 58	38 - 43	54 - 58
Water	0	0	0	0
Exempt Compound Content	23 - 28	27 - 32	30 - 35	36 - 40
Coating Category	Primer Sealer			

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

## 14. PHYSICAL DATA (Continued)

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

RTS REGULATORY DATA:	4:1	
	(No Reduction)	
	LBS./GAL	g/L
VOC	4.8 Max	580 Max
Density	11 - 13	1320 - 1560
	WT%	VOL%
Total Solids Content	60 - 65	45 - 50
Total Volatile Content	35 - 40	50 - 55
Water	0	0
Coating Category	Primer Surfacer	

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

RTS REGULATORY DATA:	4:1:10%	
	(170 or 170HP Reducers)	
	LBS./GAL	g/L
VOC	5.6 Max	675 Max
Density	11 - 13	1320 - 1560
	WT%	VOL%
Total Solids Content	57 - 62	42 - 46
Total Volatile Content	38 - 43	54 - 58
Water	0	0
Coating Category	Primer Sealer	

## NOTES

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