valspar
REFINISH

HS35
Surfacer/Sealer HS Gray

GENERAL INFORMATION
A high-solids (HS) surfacer formulated to provide the ultimate in performance, productivity, versatility, adhesion and durability, as well as superior sanding and sealing characteristics. Depending on the mixing ratio, can be used as a surfacer or sealer, helping to reduce inventory and costs. Increased Productivity of air dry. Rapid Topcoat times. Excellent flow and leveling when mixed as a sealer.

1. COMPONENTS

• HS35	Surfacer/Sealer HS Gray
• 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
AS PRIMER SURFACER - 4:1:1 (by volume)
- Mix four (4) parts HS35 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 3.5 compliant use Low VOC Reducers: X01, X02 or LVB100 Series Reducers

AS SEALER- 4:1:2 (by volume)
- Mix four (4) parts HS35 to one (1) part HPC activator and reduced with two (2) parts solvents or reducers listed above

NOTE: HPC3 is not recommended for use in sealer application

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)

	HPC0	HPC1	HPC2	HPC3
As Surfacer	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 HS35
- 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 or 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 - 100ºF (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 minutes	4-8 minutes
To Sand	60 minutes	Nib Sand 20 minutes
To Topcoat	60 minutes	20 minutes

NOTE: When applied as a primer 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

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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 (4.8/3.5 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	4.79 Max.	575 Max.	3.0 Max.	360 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	60 - 70	40 - 50	60 - 70	40 - 50
Total Volatile Content	30 - 40	50 - 60	30 - 40	50 - 60
Water	0	0	0	0
Exempt Compound Content	1 - 5	1 - 5	15 - 25	15 - 25
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	4.5 Max.	545 Max.	2.6 Max.	315 Max.
Regulatory VOC (less water and exempt solvents)	4.6 Max.	550 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	1 - 5	1 - 5	20 - 30	25 - 35
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	4.0 Max.	480 Max.	4.8 Max.	580 Max.
Density	10 - 13	1200 - 1560	10 - 13	1200 - 1560
	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
Coating Category	Primer Surfacer		Primer Sealer	

NOTES

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