

Spies Hecker® VOC Compliance Chart

Jefferson County, Kentucky
Regulation 7.79 - Standards of Performance for Commercial Motor Vehicle and Mobile Equipment Refinishing Operations
Group 1 Vehicles: See footer below
Effective: 4/2/1994



Description		Compliant Rules				Applied VOC lbs/gal	Remarks
Surface Preparation VOC Limit = 1.7 lbs/gal (204 g/L)		Jefferson County, Kentucky				0.2	
107™ Anala Low VOC Gun & Equipment Cleaner						1.4	
210™ Anala Silicone Removal Water						0.2	
220™ Anala Silicone Removal Low VOC						N/A	
305™ Anala Plastic Cleaning Paste						0.1	
Description	Mix Ratio	Hardener	Reducer/Additive	Addl Product	Max Applied VOC (LE) lbs/gal	Remarks	
Pretreatment VOC Limit = 6.6 lbs/gal (780 g/L)							
Primerat® Primer 3075	<0%	N/A	6580, 3363, 3365	N/A	6.6		
Primerat® Primer 3085 (Aerosol)	Ready to Use	N/A	N/A	N/A	N/A		
Primerat® Wash Primer 4078	1:1	4078	N/A	N/A	6.6		
Primerat® 1K Primer Surface 4085 (Aerosol)	Ready to Use	N/A	N/A	N/A	N/A		
Primerat® 1K Primer Surface 4085	<0%	N/A	6580, 3363, 3365	N/A	6.6		
Anala® 496™	Ready to Use	N/A	N/A	N/A	6.6		
490™ Anala Wash Primer	1:1	441	N/A	N/A	6.6		
4104™ Anala 1K Primer Surface Latex Gray	Ready to Use	N/A	N/A	N/A	N/A		
4004™ Anala 1K Primer Surface Dark Gray	Ready to Use	N/A	N/A	N/A	N/A		
495™ Anala Metal Development Wipes	Ready to Use	N/A	N/A	N/A	6.6		
Primer/Surface VOC Limit = 4.8 lbs/gal (580 g/L)							
Permaseal® 1K Foundation Primer Surface 4100	<5-10%	N/A	6000	N/A	4.8		
Permaseal® EP Primer Surface 4500	3:1+25-30%	4501	3363, 3365	N/A	4.8		
Permaseal® EP Primer Surface 4502	2:1+10-10%	4503	3394	N/A	4.8		
4504™ Anala Epoxi 2K	Ready to Use	Indefinite	N/A	N/A	4.8		
Permaseal® VHS Surface 5190	2:1+5-10%	3220, 3230, 3240, 3245	6580, 3363, 3365, 5408	N/A	4.8		
Permaseal® 2.1 Surface 5197	4:1 + 5-10%	3307, 3309, 3310, 3315, 3320, 3325	6580, 3363, 3365, 5408, 5409, 5410	N/A	4.8		
Permaseal® 2.1 Surface 5197 Elastiflex	4:1+10-20%	3307, 3309, 3310, 3315, 3320, 3325	6580, 3363, 3365, 5408, 5409, 5410	>30% 9050	4.8	9050 must be added before hardener.	
Permaseal® HS Premium Surface 5310	4:1+10-10%	3307, 3309, 3310, 3315, 3320, 3325	6580, 3363, 3365	N/A	4.8		
Permaseal® HS Premium Surface 5310	4:1+10-20%	3220, 3230, 3240, 3245	6580, 3363, 3365	N/A	4.8		
Permaseal® Spectra Surface 5400	2:1+10-10%	3307, 3309, 3310, 3315, 3320, 3325	6580, 3363, 3365	N/A	4.8		
Permaseal® Spectra Surface 5400 Elastiflex	2:1+10-15%	3307, 3309, 3310, 3315, 3320, 3325	6580, 3363, 3365	>30% 9050	4.8	9050 must be added before hardener.	
Permaseal® Spectra Surface 5400	3:1+20%	3220, 3230, 3240, 3245	6580, 3363, 3365	N/A	4.8		
Permaseal® Spectra Surface 5400 Elastiflex	3:1+25%	3220, 3230, 3240, 3245	6580, 3363, 3365	>30% 9050	4.8	9050 must be added before hardener.	
Permaseal® Spectro Sealer 5450	3:1+20-25%	3307, 3309, 3310, 3315, 3320	5408	N/A	4.8		
Permaseal® Spectro Sealer 5450 Elastiflex	3:1+20-25%	3307, 3309, 3310, 3315, 3320	5408	15-30% 9050	4.8	9050 must be added before hardener.	
Permaseal® Spectro Sealer 5450	6:1+25-30%	3220, 3230, 3240, 3245	5408	N/A	4.8		
Permaseal® Spectro Sealer 5450 Elastiflex	4:1+25-30%	3220, 3230, 3240, 3245	5408	15-30% 9050	4.8	9050 must be added before hardener.	
Permaseal® Vario Surface 6500	3:1+10-10%	3307, 3309, 3310, 3315, 3320, 3325	6580, 3363, 3365	>30% 9050	4.8	9050 must be added before hardener.	
Permaseal® Vario Surface 6500 Elastiflex	3:1+10-10%	3307, 3309, 3310, 3315, 3320, 3325	6580, 3363, 3365	>30% 9050	4.8	9050 must be added before hardener.	
Permaseal® Vario Surface 6500	6:1+10-20%	3220, 3230, 3240, 3245	6580, 3363, 3365	N/A	4.8		
Permaseal® Vario Surface 6500 Elastiflex	6:1+10-20%	3220, 3230, 3240, 3245	6580, 3363, 3365	>30% 9050	4.8	9050 must be added before hardener.	
Permaseal® 1K UV Starlight Primer Surface 9002 (Aerosol)	Ready to Use	N/A	N/A	N/A	N/A	Aerosol	
Permaseal® 1K UV Starlight Primer Surface 9002	Ready to Use	N/A	N/A	N/A	N/A	Non-Aerosol version	
Primer-Sealer VOC Limit = 4.8 lbs/gal (580 g/L)							
Permaseal® Spectro Surface 5400	2:1+20-30%	3307, 3309, 3310, 3315, 3320, 3325	5407	N/A	4.6		
Permaseal® Spectro Surface 5400 wPermaseal Reducer	2:1+20-25%	3307, 3309, 3310, 3315, 3320, 3325	5407	<0-5% 6580, 3363, 3365	4.6		
Permaseal® Spectro Surface 5400 Elastiflex	2:1+20-25%	3307, 3309, 3310, 3315, 3320, 3325	5407	>30% 9050	4.6	9050 must be added before hardener.	
Permaseal® Spectro Surface 5400 Elastiflex wPermaseal Reducer	2:1	3307, 3309, 3310, 3315, 3320, 3325	>40-20% 5407	<40% 6580, 3363, 3365	4.6		
Permaseal® Spectro Surface 5400	3:1+40-50%	3220, 3230, 3240, 3245	5407	N/A	4.6		
Permaseal® Spectro Surface 5400 wPermaseal Reducer	3:1+40-45%	3220, 3230, 3240, 3245	5407	<0-5% 6580, 3363, 3365	4.6		
Permaseal® Spectro Surface 5400 Elastiflex	3:1+40-50%	3220, 3230, 3240, 3245	5407	>30% 9050	4.6	9050 must be added before hardener.	
Permaseal® Spectro Surface 5400 Elastiflex wPermaseal Reducer	3:1	3220, 3230, 3240, 3245	>40-45% 5407	>30% 9050	4.6		
Permaseal® Spectro Sealer 5450	3:1+20-25%	3307, 3309, 3310, 3315, 3320	<0-5% 6580, 3363, 3365	5409, 5410	4.6		
Permaseal® Spectro Sealer 5450 Elastiflex	2:1+20-25%	3307, 3309, 3310, 3315, 3320	5409, 5410	15-30% 9050	4.6	9050 must be added before hardener.	
Permaseal® Spectro Sealer 5450	4:1+25-30%	3220, 3230, 3240, 3245	5409, 5410	N/A	4.6		
Permaseal® Spectro Sealer 5450 Elastiflex	4:1+25-30%	3220, 3230, 3240, 3245	5409, 5410	15-30% 9050	4.6	9050 must be added before hardener.	
Permaseal® 2K Sealer 5600	1:1%	3080	N/A	N/A	4.6		
Permaseal® Vario Surface 6500 Elastiflex	3:1+10-20%	3307, 3309, 3310, 3315, 3320, 3325	6580, 3363, 3365	20% 9050	4.6	9050 must be added before hardener.	
Permaseal® Vario Surface 6500	6:1+10-20%	3220, 3230, 3240, 3245	6580, 3363, 3365	30% 9050	4.6	9050 must be added before hardener.	
Single Stage Topcoats VOC Limit = 6.2 lbs/gal (630 g/L)							
Permaseal® Acrylic Urethane Series 257	3:1+10-10%	3307, 3309, 3310, 3315, 3320, 3325	6580, 3363, 3365	N/A	5.2		
Permaseal® Automotive Topcoat Series 257 PP-1004 Ruby Matt Black	3:1+10%	3220, 3230, 3240, 3245	6580, 3363, 3365	<1% 9050	5.2		
Permaseal® Automotive Topcoat 257 Series PP-1002 Blue Black	3:1+10%	3220, 3230, 3240, 3245	6580, 3363, 3365	<1% 9050	5.2		
Permaseal® Automotive Top Coat FP 1005 Warm Gray VV04N	3:1	3307, 3309, 3310, 3315, 3320, 3325	6580, 3363, 3365	<0-5% 8062, 8066	5.2		
Permaseal® Automotive Top Coat FP 1005 Warm Gray VV04N	3:1+10%	3220, 3230, 3240, 3245	6580, 3363, 3365, 3364, 5408, 5410	<0-5% 8050, 8056	5.2		
Multistage Topcoat VOC Limit = 6.2 lbs/gal (630 g/L) applied as a system							
Basecoats: Must be used with specific clearcoats for compliance							
Permaseal® Hi-TEC Base Coat	+10-30%	N/A	6050, 6051, 6052, 6053	N/A	5.2		
Permaseal® Hi-TEC Base Coat w/Hardeners	+5-10% +10-30%	3080	6050, 6051, 6052, 6053	N/A	5.2		
Permaseal® Base Coat Series 280/285	<0-15%	N/A	6000	N/A	5.2		
Permaseal® Base Coat Series 280/285	<0-10%	N/A	6002	N/A	5.2		
Permaseal® Base Coat Series 280/285	<5-10%	6007	10-20% 6000 or 0-10% 8002	N/A	5.2		
Permaseal® Base Coat Series 290/295	+40-50%	N/A	3054, 3055, 3056	N/A	5.2		
Permaseal® PP2001	+15% +40-50%	3307, 3309, 3310, 3315, 3320, 3325	3054, 3055, 3056	N/A	5.2		
Permaseal® PP5003	+10% +40%	3220, 3230, 3240, 3245	3054, 3055, 3056	N/A	5.2		
Permaseal® Base Coat Series 290/295 - GMW 15496	+15% +40-50%	3307, 3309, 3310, 3315, 3320, 3325	3054, 3055, 3056	N/A	5.2		
Permaseal® Base Coat Series 290/295 - GMW 15496	+10% +40-50%	3220, 3230, 3240, 3245	3054, 3055, 3056	N/A	5.2		
Permaseal® Base Coat Series 290/295 - High Temp/Humidity	<25% +15%	N/A	3054, 3055, 3056	N/A	5.2		
Permaseal® 2K Diamond Midcoat MC 0001	See 996.0 TDS for Mixing Recommendations	3307, 3309, 3310, 3315, 3320, 3325 or 3220, 3230, 3240, 3245	6580, 3363, 3365	>10% 9050	5.2		
Permaseal® 2K Transparent Red Midcoat MC 0002	See 996.0 TDS for Mixing Recommendations	3307, 3309, 3310, 3315, 3320, 3325 or 3220, 3230, 3240, 3245	6580, 3363, 3365	>10% 9050	5.2		
Permaseal® 2K Transparent Blue Midcoat MC 0003	See 996.0 TDS for Mixing Recommendations	3307, 3309, 3310, 3315, 3320, 3325 or 3220, 3230, 3240, 3245	6580, 3363, 3365	>10% 9050	5.2		
Permaseal® Transparent Midcoat M100	1:1+3%	3240, 3245	3363, 3365	9045, 9046, 9056, 9057, 9058	5.2		
Clearcoats: Must be used as a system with basecoats at under 5.0 lbs/gal (600 g/L) 2-stage or 5.2 lbs/gal (630 g/L) 3-stage for compliance							
Spies Hecker® HS Speed Clear Coat 8020	2:1	3251, 3254, 3255, 3252, 3257	N/A	N/A	5.2	Compliant when used with both 2 & 3-stage coating systems.	
Permaseal® HS Clear Coat 8035	3:1+10-10%	3307, 3309, 3310, 3315, 3320, 3325	6580, 3363, 3365, 9025	N/A	5.2	Compliant when used in a 2-stage coating system.	
Permaseal® HS Clear Coat 8100 (Elastiflex)	2:1+10-10%	3307, 3309, 3310, 3315, 3320, 3325	6580, 3363, 3365, 9025	>15-30% 9050	5.2	Compliant when used in a 2-stage coating system. 9050 must be added before hardener.	
Permaseal® HS Clear Coat 8100	3:1+15-20%	3220, 3230, 3240, 3245	6580, 3363, 3365, 9025	N/A	5.2	Compliant when used with both 2 & 3-stage coating systems.	
Permaseal® HS Clear Coat 8035 Elastiflex	3:1+15-20%	3220, 3230, 3240, 3245	6580, 3363, 3365, 9025	>15-30% 9050	5.2	Compliant when used with both 2 & 3-stage coating systems. 9050 must be added before hardener.	
Permaseal® MS Express Clear Coat 8046	2:1+10-5%	3307, 3309, 3310, 3315, 3320, 3325	6580, 3363, 3365, 9025	N/A	5.2	Compliant when used in a 2-stage coating system.	
Permaseal® MS Express Clear Coat 8046 Elastiflex	2:1+10-5%	3307, 3309, 3310, 3315, 3320, 3325	6580, 3363, 3365, 9025	>15-30% 9050	5.2	Compliant when used in a 2-stage coating system. 9050 must be added before hardener.	
Permaseal® MS Express Clear Coat 8046	3:1+10%	3220, 3230, 3240, 3245	6580, 3363, 3365, 9025	N/A	5.2	Compliant when used in a 2-stage coating system.	
Permaseal® MS Express Clear Coat 8046 Elastiflex	3:1+10%	3220, 3230, 3240, 3245	6580, 3363, 3365, 9025	>15-30% 9050	5.2	Compliant when used in a 2-stage coating system. 9050 must be added before hardener.	
Permaseal® Low VOC Clear Coat 8086	2:1+2-4%	3307, 3309, 3310, 3315, 3320	3363, 3365, 8580	N/A	5.2	Compliant when used with both 2 & 3-stage coating systems.	
Permaseal® Low VOC Clear Coat 8086	2.5:1 +20%	3220, 3230, 3240, 3245	3363, 3365, 8580	N/A	5.2	Compliant when used with both 2 & 3-stage coating systems.	
Permaseal® Low VOC Clear Coat 8086 Elastiflex	3:2 + 5-10%	3307, 3309, 3310, 3315, 3320, 3325	3363, 3365, 8580	>15-30% 9050	5.2	Compliant when used with both 2 & 3-stage coating systems. 9050 must be added before hardener.	
Permaseal® Low VOC Clear Coat 8086	2.5:1 +20-25%	3220, 3230, 3240, 3245	3363, 3365, 8580	>15-30% 9050	5.2	Compliant when used with both 2 & 3-stage coating systems. 9050 must be added before hardener.	
Permaseal® MS Clear Coat 8180	2:1	3307, 3309, 3310, 3315, 3320	N/A	N/A	5.2	Only compliant when used in a 2-stage coating system.	
Permaseal® MS Clear Coat 8180 Elastiflex	2:1	3307, 3309, 3310, 3315, 3320, 3325	N/A	>15-30% 9050	5.2	Only compliant when used in a 2-stage coating system. 9050 must be added before hardener.	
Permaseal® MS Clear Coat 8180	3:1+10-10%	3220, 3230, 3240, 3245	6580, 3363, 3365, 9025	N/A	5.2	Only compliant when used in a 2-stage coating system.	
Permaseal® MS Clear Coat 8180 Elastiflex	3:1+10%	3:1 w/20% 3220, 3230, 3240, 3245	6580, 3363, 3365, 9025	>15-30% 9050	5.2	Only compliant when used in a 2-stage coating system. 9050 must be added before hardener.	
Permaseal® HS Optimum Clear Coat 8600	3:1	3251, 3254, 3255, 3252, 3257	N/A	N/A	5.0	Only compliant if used in a 2-stage coating system with 20:3:20 basecoat or with a 2 or 3-stage coating system and Permaseal® Hi-TEC Basecoat.	
Permaseal® HS Optimum Clear Coat 8600 Elastiflex	3:1+10-5%	3251, 3254, 3255, 3252, 3257	6580, 3363, 3365, 9025	>15-30% 9050	5.2	Compliant when used with both 2 & 3-stage coating systems.	
Permaseal® HS Optimum Clear Coat 8600	3:1+10-5%	3220, 3230, 3240, 3245	6580, 3363, 3365, 9025	N/A	5.0	Only compliant if used in a 2-stage coating system with 20:3:20 basecoat or with a 2 or 3-stage coating system and Permaseal® Hi-TEC Basecoat.	
Permaseal® HS Optimum Clear Coat 8600 Elastiflex	3:1+10-5%	3220, 3230, 3240, 3245	6580, 3363, 3365, 9025	>15-30% 9050	5.2	Compliant when used with both 2 & 3-stage coating systems.	
Permaseal® HS Diamond Clear Coat 8450 - ASP	2:1+10-5%	3240	6580, 3363, 3365	>10% 9050	5.2	Compliant when used with both 2 & 3-stage coating systems. 9050 must be added before hardener.	
Permaseal® Matte Clear Coat Additive 8092 with 8035		See TDS 8092 for Mixing Recommendations			5.2	Refer to TDS for mixing instructions over both metal and plastic.	
Specialty Coatings VOC Limit = 7.0 lbs/gal (840 g/L) - Shall not exceed 16% of all coatings applied on a weekly basis.							
Adhesion Promoters							
Permaseal® Transparent Surface 8550	3:1+20-30%	3307, 3309, 3310, 3315, 3320, 3325	6580, 3363, 3365	N/A	7.0		
Permaseal® Transparent Surface 8550	4:1+10%	3220, 3230, 3240, 3245	6580, 3363, 3365	N/A	7.0		
Permaseal® Vario Surface 8900	3:1+20-30%	3307, 3309, 3310, 3315, 3320, 3325	6580, 3363, 3365	N/A	7.0		
Permaseal® Vario Surface 8900	6:1+30-40%	3220, 32					