

Spies Hecker® VOC Compliance Chart

State of Rhode Island Reg. 30 - Automobile Refinishing Operations
 Group 1 Vehicles - See footer below
 Effective: 3/31/1994



Description	Mix Ratio	Hardener	Reducer/Additive	Addl Product	Applied VOC (lb/gal)	Remarks
Surface Preparation VOC Limit = 1.4 lbs/gal (168 g/L)						
107™ Acaba Low VOC Gun & Equipment Cleaner					0.2	
121™ Acaba Silicone Remover Water					0.2	
120™ Acaba Silicone Remover Low VOC					0.2	
265™ Acaba Plastic Cleaning Paste					0.1	
Pernamath® Silicone Remover 7086					0.2	
Pernamath® Silicone Remover 7086					1.4	
Pernamath® Plastic Cleaning Paste 7087					0.1	
Plastic Surface Preparation VOC Limit = 6.5 lbs/gal (780 g/L) - Plastic surfaces only!						
Pernamath® Silicone Remover 7086					1.6	
Pernamath® Silicone Remover 7010 Slow					6.2	
205™ Acaba Silicone Remover Seal					6.6	
205A™ Acaba Silicone Remover (Aerosol)					6.3	
138™ Acaba Bus & Tar Remover					2.9	
225™ Acaba Bus & Tar Remover					2.9	
Description	Mix Ratio	Hardener	Reducer/Additive	Addl Product	Max Applied VOC (LE) lbs/gal	Remarks
Pre-treatment VOC Limit = 6.5 lbs/gal (780 g/L)						
Phonocel® Primer 3255	<50%	N/A	8880, 3363, 3365	N/A	6.5	
Phonocel® Wash Primer 4075	1:1	4076	N/A	N/A	6.5	
Phonocel® 1K Primer Surface 4095 (Aerosol)	Ready to Use	N/A	N/A	N/A	6.5	
Phonocel® 1K Primer Surface 4095	<50%	N/A	8880, 3363, 3365	N/A	6.5	
Acabak® Pre-treatment Wipes P5400™	Ready to Use	N/A	N/A	N/A	6.5	
420™ Acaba Eco Primer	1:1	N/A	N/A	N/A	6.5	
4104™ Acaba 1K Primer Surface Light Gray	Ready to Use	N/A	N/A	N/A	N/A	
4004™ Acaba 1K Primer Surface Dark Gray	Ready to Use	N/A	N/A	N/A	N/A	
445™ Acaba Metal Pre-treatment Wipes	Ready to Use	N/A	N/A	N/A	6.5	
Primer/Surface-Preparations VOC Limit = 4.8 lbs/gal (588 g/L)						
Pernamath® 1K Protective Primer Surface 4100	4:1-10%	N/A	9000	N/A	4.8	
Pernamath® EP Primer Surface 4500	2:1+20-30%	4501	8880, 3365	N/A	4.8	
Pernamath® EP Primer Surface 4502	2:1+10-10%	4503	3394	N/A	4.8	
4404™ Acabak® Epoxy 2K	Ready to Use	4405	8880, 3363, 3365, 5408	N/A	4.8	
Pernamath® 2:1 Surface 4150	2:1+1.5-4-10%	3220, 3230, 3240, 3245	8880, 3363, 3365, 5408	N/A	4.8	
Pernamath® 2:1 Surface 4157	4:1 + 1-10%	3307, 3309, 3310, 3315, 3320, 3325	8880, 3363, 3365, 5408, 5409, 5410	N/A	4.8	
Pernamath® HS Premium Surface 5110 Elastized	4:1+10-20%	3307, 3309, 3310, 3315, 3320, 3325	8880, 3363, 3365	+30% 9050	4.8	9050 must be added before hardener.
Pernamath® HS Premium Surface 5310	4:1+10-10%	3307, 3309, 3310, 3315, 3320, 3325	8880, 3363, 3365	N/A	4.8	
Pernamath® HS Premium Surface 5310	7:1+10-20%	3220, 3230, 3240, 3245	8880, 3363, 3365	N/A	4.8	
Pernamath® Spectro Sealer 5450	4:1+10-10%	3307, 3309, 3310, 3315, 3320, 3325	8880, 3363, 3365	N/A	4.8	
Pernamath® Spectro Sealer 5450 Elastized	2:1+10%	3307, 3309, 3310, 3315, 3320, 3325	8880, 3363, 3365	+30% 9050	4.8	9050 must be added before hardener.
Pernamath® Spectro Sealer 5450	7:1+20%	3220, 3230, 3240, 3245	8880, 3363, 3365	N/A	4.8	
Pernamath® Spectro Sealer 5450	3:1+10%	3220, 3230, 3240, 3245	8880, 3363, 3365	+30% 9050	4.8	9050 must be added before hardener.
Pernamath® Spectro Sealer 5450	3:1+20-25%	3307, 3309, 3310, 3315, 3320, 3325	5408	N/A	4.8	
Pernamath® Spectro Sealer 5450 Elastized	2:1+20-25%	3307, 3309, 3310, 3315, 3320, 3325	5408	15-30% 9050	4.8	9050 must be added before hardener.
Pernamath® Spectro Sealer 5450	5:1+20-30%	3220, 3230, 3240, 3245	5408	N/A	4.8	
Pernamath® Spectro Sealer 5450 Elastized	4:1+25-30%	3220, 3230, 3240, 3245	5408	15-30% 9050	4.8	9050 must be added before hardener.
Pernamath® Vario Surface 6590	3:1+15-10%	3307, 3309, 3310, 3315, 3320, 3325	8880, 3363, 3365	+30% 9050	4.8	9050 must be added before hardener.
Pernamath® Vario Surface 6590	3:1+10-20%	3220, 3230, 3240, 3245	8880, 3363, 3365	N/A	4.8	
Pernamath® Vario Surface 6590 Elastized	6:1+10-20%	3220, 3230, 3240, 3245	8880, 3363, 3365	N/A	4.8	
Pernamath® 1K UV Stable Primer Surface 9002 (Aerosol)	Ready to Use	N/A	8880, 3363, 3365	N/A	4.8	9050 must be added before hardener.
Pernamath® 1K UV Stable Primer Surface 9002	Ready to Use	N/A	N/A	N/A	4.8	Aerosol
Pernamath® 1K UV Stable Primer Surface 9002	Ready to Use	N/A	N/A	N/A	4.8	Non-Aerosol version
Primer-Sealers VOC Limit = 4.8 lbs/gal (588 g/L)						
Pernamath® Spectro Sealer 5450	2:1+20-30%	3307, 3309, 3310, 3315, 3320, 3325	5407	N/A	4.6	
Pernamath® Spectro Sealer 5450 wPermacron Reducer	2:1+20-25%	3307, 3309, 3310, 3315, 3320, 3325	5407	+0-5% 8880, 3363, 3365	4.6	
Pernamath® Spectro Sealer 5450 Elastized	2:1+20-30%	3307, 3309, 3310, 3315, 3320, 3325	5407	+30% 9050	4.6	9050 must be added before hardener.
Pernamath® Spectro Sealer 5450 Elastized wPermacron Reducer	2:1	3307, 3309, 3310, 3315, 3320, 3325	+10-20% 5407	+30% 9050	4.6	
Pernamath® Spectro Sealer 5450	3:1+10-50%	3220, 3230, 3240, 3245	5407	+0-5% 8880, 3363, 3365	4.6	
Pernamath® Spectro Sealer 5450 wPermacron Reducer	3:1+10-45%	3220, 3230, 3240, 3245	5407	+0-5% 8880, 3363, 3365	4.6	
Pernamath® Spectro Sealer 5450 Elastized	3:1+40-50%	3220, 3230, 3240, 3245	5407	+30% 9050	4.6	9050 must be added before hardener.
Pernamath® Spectro Sealer 5450 Elastized wPermacron Reducer	3:1	3220, 3230, 3240, 3245	+40-50% 5407	+30% 9050	4.6	
Pernamath® Spectro Sealer 5450	3:1+20-25%	3307, 3309, 3310, 3315, 3320, 3325	5409, 5410	N/A	4.6	
Pernamath® Spectro Sealer 5450 Elastized	5:1+25-30%	3220, 3230, 3240, 3245	5409, 5410	15-30% 9050	4.6	9050 must be added before hardener.
Pernamath® Spectro Sealer 5450	5:1+25-30%	3220, 3230, 3240, 3245	5409, 5410	N/A	4.6	
Pernamath® Spectro Sealer 5450 Elastized	4:1+25-30%	3220, 3230, 3240, 3245	5409, 5410	15-30% 9050	4.6	9050 must be added before hardener.
Pernamath® 2K Sealer 6590	1:1	N/A	N/A	N/A	4.6	
Pernamath® Vario Surface 6590 Elastized	3:1+20%	3307, 3309, 3310, 3315, 3320, 3325	8880, 3363, 3365	30% 9050	4.6	9050 must be added before hardener.
Pernamath® Vario Surface 6590 Elastized	5:1+10-20%	3220, 3230, 3240, 3245	8880, 3363, 3365	30% 9050	4.6	9050 must be added before hardener.
Single Stage Topcoats VOC Limit = 5.0 lbs/gal (600 g/L)						
Pernamath® Acrylic Urethane Series 287	3:1+5-10%	3307, 3309, 3310, 3315, 3320, 3325	8880, 3363, 3365	N/A	5.0	
Pernamath® Automotive Topcoat Series 287 EP 100A Blue Matt Black	4:1+20%	3220, 3230, 3240, 3245	8880, 3363, 3365	+15% 9050	5.0	
Pernamath® Automotive Topcoat 287 Series EP 100B Blue Black	4:1+20%	3220, 3230, 3240, 3245	8880, 3363, 3365	+15% 9050	5.0	
Pernamath® Automotive Top Coat EP 100S Warm Gray W/604N	3:1	3307, 3309, 3310, 3315, 3320, 3325	+0-5% 8092, 8096	5.0		
Pernamath® Automotive Top Coat EP 100T Warm Gray W/604N	4:1+10%	3220, 3230, 3240, 3245	8880, 3363, 3365, 3364, 5409, 5410	+0-5% 8092, 8096	5.0	
2-Stage Topcoat VOC Limit = 5.0 lbs/gal (600 g/L) applied as a system						
3-Stage Topcoat VOC Limit = 5.2 lbs/gal (630 g/L) applied as a system						
Basecoats: Must be used with specific clearcoats for compliance						
Pernamath® HS TEC Base Coat	1:10-30%	N/A	6050, 6051, 6052, 6053	N/A	5.0	
Pernamath® HS TEC Base Coat Hardening	4:1+10%+10-30%	3280	6051, 6052, 6053	N/A	5.0	
Pernamath® Base Coat Series 280/285	4:1-15%	6000	6000	N/A	5.0	
Pernamath® Base Coat Series 280/285	4:1-10%	6002	6002	N/A	5.0	
Pernamath® Base Coat Series 280/285	4:1-10%	8007	+10-20% 6000+0-10% 6002	N/A	5.0	
Pernamath® Base Coat Series 293/295	+40-50%	N/A	3054, 3055, 3056	N/A	5.2	
Pernamath® P2003	+15%+40-50%	3307, 3309, 3310, 3315, 3320, 3325	3054, 3055, 3056	N/A	5.2	
Pernamath® P2003	+15%+40%	3220, 3230, 3240, 3245	3054, 3055, 3056	N/A	5.2	
Pernamath® Base Coat Series 293/295 - GMV 14496	+15%+40-50%	3307, 3309, 3310, 3315, 3320, 3325	3054, 3055, 3056	N/A	5.2	
Pernamath® Base Coat Series 293/295 - GMV 14496	+15%+40-50%	3220, 3230, 3240, 3245	3054, 3055, 3056	N/A	5.2	
Pernamath® 2K Diamond Midcoat MC 0001	+35%+15%	N/A	3015	N/A	5.2	
Pernamath® 2K Diamond Midcoat MC 0001	2:1+10-15%	3192, 3194, 3196	3389, 3394	+15% 9050	5.0	
Pernamath® 2K Transparent Red Midcoat MC 0002	2:1+10-15%	3192, 3194, 3196	3389, 3394	+15% 9050	5.0	
Pernamath® 2K Transparent Blue Midcoat MC 0003	2:1+10-15%	3192, 3194, 3196	3389, 3394	+15% 9050	5.0	
Pernamath® Transparent Midcoat 9100	1:1+3%	3240, 3245	3363, 3365	9045, 9049, 9056, 9057, 9059	5.0	
Clearcoats: Must be used as a system with basecoats at under 5.0 lbs/gal (600 g/L) or 5.2 lbs/gal (630 g/L)						
Pernamath® HS Clear Coat 8035	2:1+10-10%	3307, 3309, 3310, 3315, 3320, 3325	8880, 3363, 3365, 9025	N/A	5.0	Compliant when used in a 2-stage coating system.
Pernamath® HS Clear Coat 8035 Elastized	2:1+10-10%	3307, 3309, 3310, 3315, 3320, 3325	8880, 3363, 3365, 9025	+15-30% 9050	5.0	Compliant when used in a 2-stage coating system; 9050 must be added before hardener.
Pernamath® HS Clear Coat 8035	3:1+15-20%	3220, 3230, 3240, 3245	8880, 3363, 3365, 9025	N/A	5.0	Compliant when used with both 2 & 3-stage coating systems.
Pernamath® HS Clear Coat 8035 Elastized	3:1+15-20%	3220, 3230, 3240, 3245	8880, 3363, 3365, 9025	+15-30% 9050	5.0	Compliant when used with both 2 & 3-stage coating systems; 9050 must be added before hardener.
Pernamath® HS Express Clear Coat 8046	2:1+10-5%	3307, 3309, 3310, 3315, 3320, 3325	8880, 3363, 3365, 9025	N/A	5.0	Compliant when used in a 2-stage coating system.
Pernamath® HS Express Clear Coat 8046 Elastized	2:1+10-5%	3307, 3309, 3310, 3315, 3320, 3325	8880, 3363, 3365, 9025	+15-30% 9050	5.0	Compliant when used in a 2-stage coating system; 9050 must be added before hardener.
Pernamath® HS Express Clear Coat 8046	3:1+10-10%	3220, 3230, 3240, 3245	8880, 3363, 3365, 9025	N/A	5.0	Compliant when used in a 2-stage coating system.
Pernamath® HS Express Clear Coat 8046 Elastized	3:1+10-10%	3220, 3230, 3240, 3245	8880, 3363, 3365, 9025	+15-30% 9050	5.0	Compliant when used in a 2-stage coating system; 9050 must be added before hardener.
Pernamath® Low VOC Clear Coat 8096	3:2+5%	3307, 3309, 3310, 3315, 3320, 3325	3363, 3365, 6590	N/A	5.0	Compliant when used with both 2 & 3-stage coating systems.
Pernamath® Low VOC Clear Coat 8096	3:2+5-10%	3220, 3230, 3240, 3245	3363, 3365, 6590	N/A	5.0	Compliant when used with both 2 & 3-stage coating systems.
Pernamath® Low VOC Clear Coat 8096 Elastized	3:2 + 5-15%	3307, 3309, 3310, 3315, 3320, 3325	3363, 3365, 6590	+15-30% 9050	5.0	Compliant when used with both 2 & 3-stage coating systems; 9050 must be added before hardener.
Pernamath® Low VOC Clear Coat 8096 Elastized	3:1+1-20-25%	3220, 3230, 3240, 3245	3363, 3365, 6590	+15-30% 9050	5.0	Compliant when used with both 2 & 3-stage coating systems; 9050 must be added before hardener.
Pernamath® MS Clear Coat 8180	2:1	3307, 3309, 3310, 3315, 3320, 3325	N/A	N/A	5.0	Only compliant when used in a 2-stage coating system.
Pernamath® MS Clear Coat 8180 Elastized	2:1	3307, 3309, 3310, 3315, 3320, 3325	N/A	+15-30% 9050	5.0	Only compliant when used in a 2-stage coating system; 9050 must be added before hardener.
Pernamath® MS Clear Coat 8180	3:1+10%	3220, 3230, 3240, 3245	8880, 3363, 3365	N/A	5.0	Only compliant when used in a 2-stage coating system.
Pernamath® MS Clear Coat 8180 Elastized	3:1+10%	3220, 3230, 3240, 3245	8880, 3363, 3365	+15-30% 9050	5.0	Only compliant when used in a 2-stage coating system; 9050 must be added before hardener.
Pernamath® HS Diamond Clear Coat 8450	3:1+10-5%	3240	8880, 3363, 3365	N/A	5.2	Compliant when used with both 2 & 3-stage coating systems.
Pernamath® HS Diamond Clear Coat 8450 - ASAP	2:1+10-5%	3240	8880, 3363, 3365	+10% 9050	5.2	Compliant when used with both 2 & 3-stage coating systems; 9050 must be added before hardener.
Pernamath® HS Diamond Clear Coat 8650	3:1+10-5%	3220, 3230, 3240, 3245	8880, 3363, 3365, 9025	N/A	5.2	Compliant when used with both 2 & 3-stage coating systems.
Pernamath® HS Diamond Clear Coat 8650 Elastized	3:1	3220, 3230, 3240, 3245	8880, 3363, 3365, 9025	+15-30% 9050	5.2	Compliant when used with both 2 & 3-stage coating systems; 9050 must be added before hardener.
Adhesion Promoters						
Pernamath® Transparent Surface 8550	3:1+20-30%	3307, 3309, 3310, 3315, 3320, 3325	8880, 3363, 3365	N/A	7.0	
Pernamath® Transparent Surface 8550	4:1+30%	3220, 3230, 3240, 3245	8880, 3363, 3365	N/A	7.0	
Pernamath® Vario Surface 6590	3:1+20-30%	3307, 3309, 3310, 3315, 3320, 3325	8880, 3363, 3365	N/A	7.0	
Pernamath® Vario Surface 6590	6:1+30-40%	3220, 3230, 3240, 3245	8880, 3363, 3365	N/A	7.0	
Elastomeric Coatings						
Pernamath® 1:1 Elastic Primer Surface 3300	1:1	3301	N/A	N/A	7.0	
Pernamath® Elastic Primer 3304	Ready to Use	N/A	N/A	N/A	7.0	
Pernamath® Elastic Primer 3304 (Aerosol)	Ready to Use	N/A	N/A	N/A	7.0	
Pernamath® Elastic Primer 4190	Ready to Use	N/A	N/A	N/A		