

Spies Hecker® VOC Compliance Chart

Tennessee Rule 1200-03-18-.45 Commercial Motor Vehicle and Mobile Equipment Refinishing Operations

Group 1 Vehicles - see footer below

Effective: 3/1/2013



Description		Compliant Rules				Applied VOC lbs/gal	Remarks
Surface Preparation VOC Limit = 1.7 lbs/gal (208 g/L)							
107™ Acrylic Low VOC Gun & Equipment Cleaner		Tennessee				0.2	
210™ Acrylic Silicone Remover/Water						1.4	
220™ Acrylic Silicone Remover Low VOC						0.2	
300™ Acrylic Plastic Cleaning Paste						0.1	
Description	Mix Ratio	Hardener	Reducer/Additive	Addtl Product	Max Applied VOC (LE) lbs/gal	Remarks	
Primer/Primer Surface VOC Limit = 6.6 lbs/gal (780 g/L)							
Pernoxit® Primer 3255	+50%	N/A	N/A	8580, 3363, 3365	N/A	6.5	
Pernoxit® Primer 3255 (Acronol)	Acronol	N/A	N/A	N/A	N/A		
Pernoxit® Wash Primer 4075	+11	4076	N/A	N/A	N/A	6.5	
Pernoxit® 1K Primer Surface 4085 (Acronol)	Ready to Use	N/A	N/A	N/A	N/A	6.5	
Pernoxit® 1K Primer Surface 4085	+50%	N/A	8580, 3363, 3365	N/A	N/A	6.5	
Acrylic® 490	Ready to Use	N/A	N/A	N/A	N/A	6.5	
420™ Acrylic Enh Primer	1:1	421	N/A	N/A	N/A	6.5	
410A™ Acrylic 1K Primer Surface Light Gray	Ready to Use	N/A	N/A	N/A	N/A		
410A™ Acrylic 1K Primer Surface Dark Gray	Ready to Use	N/A	N/A	N/A	N/A		
490™ Acrylic Metal Postcatalyst Waxes	Ready to Use	N/A	N/A	N/A	N/A	6.5	
Primer/Primer Surface VOC Limit = 4.8 lbs/gal (580 g/L)							
Pernoxit® 1K Protective Primer Surface 4100	+5-10%	N/A	6000	N/A	N/A	4.8	
Pernoxit® EP Primer Surface 4500	3:1+25-30%	4501	3363, 3365	N/A	N/A	4.8	
Pernoxit® EP Primer Surface 4502	2:1+5-10%	4503	3394	N/A	N/A	4.8	
460A™ Acrylic Epoxy 2K	Ready to Use	N/A	Acronol	N/A	N/A	Acronol	
Pernoxit® 2:1 Surface 5157	4:1 + 5-10%	3307, 3309, 3310, 3315, 3320, 3325	8580, 3363, 3365, 5408, 5409, 5410	N/A	N/A	4.8	
Pernoxit® 2:1 Surface 5157 Elastified	4:1+10-20%	3307, 3309, 3310, 3315, 3320, 3325	8580, 3363, 3365, 5408, 5409, 5410	+30% 9050	4.8	9050 must be added before hardener.	
Pernoxit® 1K5 Surface 5150	2:1 + 5-10%	3220, 3240, 3245	8580, 3363, 3365	N/A	N/A	4.8	
Pernoxit® HS Premium Surface 5310	4:1+5-10%	3307, 3309, 3310, 3315, 3320, 3325	8580, 3363, 3365	N/A	N/A	4.8	
Pernoxit® HS Premium Surface 5310	7:1+10-20%	3220, 3230, 3240, 3245	8580, 3363, 3365	N/A	N/A	4.8	
Pernoxit® Spectro Surface 5400	4:1+5-10%	3307, 3309, 3310, 3315, 3320, 3325	8580, 3363, 3365	N/A	N/A	4.8	
Pernoxit® Spectro Surface 5400 Elastified	2:1+10-15%	3307, 3309, 3310, 3315, 3320, 3325	8580, 3363, 3365	+30% 9050	4.8	9050 must be added before hardener.	
Pernoxit® Spectro Surface 5400	7:1+20%	3220, 3230, 3240, 3245	8580, 3363, 3365	N/A	N/A	4.8	
Pernoxit® Spectro Surface 5400 Elastified	3:1+20%	3220, 3230, 3240, 3245	8580, 3363, 3365	+30% 9050	4.8	9050 must be added before hardener.	
Pernoxit® Spectro Sealer 5450	3:1+20-25%	3307, 3309, 3310, 3315, 3320	5408	N/A	N/A	4.8	
Pernoxit® Spectro Sealer 5450 Elastified	2:1+20-25%	3220, 3230, 3240, 3245	5408	15-30% 9050	4.8	9050 must be added before hardener.	
Pernoxit® Spectro Sealer 5450	6:1+20-30%	3220, 3230, 3240, 3245	5408	N/A	N/A	4.8	
Pernoxit® Spectro Sealer 5450 Elastified	4:1+20-30%	3220, 3230, 3240, 3245	5408	15-30% 9050	4.8	9050 must be added before hardener.	
Pernoxit® Vario Surface 8500	3:1+5-10%	3307, 3309, 3310, 3315, 3320, 3325	8580, 3363, 3365	N/A	N/A	4.8	
Pernoxit® Vario Surface 8500 Elastified	3:1+5-10%	3307, 3309, 3310, 3315, 3320, 3325	8580, 3363, 3365	+30% 9050	4.8	9050 must be added before hardener.	
Pernoxit® Vario Surface 8500	5:1+10-20%	3220, 3230, 3240, 3245	8580, 3363, 3365	N/A	N/A	4.8	
Pernoxit® Vario Surface 8500 Elastified	5:1+10-20%	3220, 3230, 3240, 3245	8580, 3363, 3365	+30% 9050	4.8	9050 must be added before hardener.	
Pernoxit® 1K UV Starlight Primer Surface 8902 (Acronol)	Ready to Use	N/A	N/A	N/A	N/A	Acronol	
Pernoxit® 1K UV Starlight Primer Surface 8902	Ready to Use	N/A	N/A	N/A	N/A	Non-Acronol version	
Primer/Sealer VOC Limit = 4.8 lbs/gal (580 g/L)							
Pernoxit® Spectro Surface 5400	2:1+20-30%	3307, 3309, 3310, 3315, 3320, 3325	5407	N/A	4.6		
Pernoxit® Spectro Surface 5400 w/Permaseal Reducer	2:1+20-25%	3307, 3309, 3310, 3315, 3320, 3325	5407	+0-5% 8580, 3363, 3365	4.6	9050 must be added before hardener.	
Pernoxit® Spectro Surface 5400 Elastified	2:1+20-25%	3307, 3309, 3310, 3315, 3320, 3325	5407	+0-5% 9050	4.6		
Pernoxit® Spectro Surface 5400 Elastified w/Permaseal Reducer	2:1	3307, 3309, 3310, 3315, 3320, 3325	+20-25% 5407	+30% 9050	4.6	9050 must be added before hardener.	
Pernoxit® Spectro Surface 5400	3:1+40-50%	3220, 3230, 3240, 3245	5407	+0-5% 8580, 3363, 3365	4.6		
Pernoxit® Spectro Surface 5400 w/Permaseal Reducer	3:1+40-50%	3220, 3230, 3240, 3245	5407	+0-5% 9050	4.6	9050 must be added before hardener.	
Pernoxit® Spectro Surface 5400 Elastified	3:1+40-50%	3220, 3230, 3240, 3245	5407	N/A	4.6		
Pernoxit® Spectro Surface 5400 Elastified w/Permaseal Reducer	3:1	3220, 3230, 3240, 3245	+40-45% 5407	+30% 9050	4.6	9050 must be added before hardener.	
Pernoxit® Spectro Sealer 5450	3:1+20-25%	3307, 3309, 3310, 3315, 3320	5408, 5410	N/A	4.6		
Pernoxit® Spectro Sealer 5450 Elastified	2:1+20-25%	3307, 3309, 3310, 3315, 3320	5408, 5410	15-30% 9050	4.6	9050 must be added before hardener.	
Pernoxit® Spectro Sealer 5450	6:1+20-30%	3220, 3230, 3240, 3245	5408, 5410	N/A	4.6		
Pernoxit® Spectro Sealer 5450 Elastified	4:1+20-30%	3220, 3230, 3240, 3245	5408, 5410	15-30% 9050	4.6	9050 must be added before hardener.	
Pernoxit® 2K Sealer 8650	1:5%	N/A	N/A	N/A	4.6		
Pernoxit® Vario Surface 8500 Elastified	3:1+20%	3307, 3309, 3310, 3315, 3320, 3325	8580, 3363, 3365	30% 9050	4.6	9050 must be added before hardener.	
Pernoxit® Vario Surface 8500	5:1+10-20%	3220, 3230, 3240, 3245	8580, 3363, 3365	30% 9050	4.6	9050 must be added before hardener.	
Single Stage Topcoats VOC Limit = 8.8 lbs/gal (100 g/L)							
Pernoxit® Acrylic Urethane Series 257	3:1+5-10%	3307, 3309, 3310, 3315, 3320, 3325	8580, 3363, 3365	N/A	5.0		
Pernoxit® Automotive Topcoat Series 257 PP-1004 Rally Matt Black	4:1+20%	3220, 3230, 3240, 3245	8580, 3363, 3365	+15% 9050	5.0		
Pernoxit® Automotive Topcoat 257 Series PP-1002 Blue Black	4:1+20%	3220, 3230, 3240, 3245	8580, 3363, 3365	+15% 9050	5.0		
Pernoxit® Automotive Top Coat PP-1005 Warm Gray VIVIDAN	3:1	3307, 3309, 3310, 3315, 3320, 3325	8580, 3363, 3365	+0-5% 8582, 8096	5.0		
Pernoxit® Automotive Top Coat PP-1005 Warm Gray VIVIDAN	4:1+10%	3220, 3230, 3240, 3245	8580, 3363, 3365, 3364, 5408, 5410	+0-5% 8582, 8096	5.0		
Multi-stage Topcoat VOC Limit = 6.2 lbs/gal (830 g/L) applied as a system with specified Clearcoats							
Basecoats Must be used with specific clearcoats for compliance							
Pernoxit® HS TEC Base Coat	+10-30%	N/A	6050, 6051, 6052, 6053	N/A	5.2		
Pernoxit® HS TEC Base Coat w/ Hardeners	+5-10% +10-30%	3080	6050, 6051, 6052, 6053	N/A	5.2		
Pernoxit® Base Coat Series 280/285	+0-10%	N/A	6000	N/A	5.2		
Pernoxit® Base Coat Series 280/285	+0-10%	N/A	6002	N/A	5.2		
Pernoxit® Base Coat Series 280/285	+5-10%	8007	+10-20% 6001 or 0-10% 6002	N/A	5.2		
Pernoxit® Base Coat Series 230/295	+0-50%	N/A	3054, 3055, 3056	N/A	5.2		
Pernoxit® FP5003	+15% +40-50%	3307, 3309, 3310, 3315, 3320, 3325	3055, 3054, 3056	N/A	5.2		
Pernoxit® FP5003	+10% +40%	3220, 3230, 3240, 3245	3054, 3055, 3056	N/A	5.2		
Pernoxit® Base Coat Series 293/295 - GMV 15406	+15% +40-50%	3307, 3309, 3310, 3315, 3320, 3325	3054, 3055, 3056	N/A	5.2		
Pernoxit® Base Coat Series 293/295 - GMV 15406	+10% +40-50%	3220, 3230, 3240, 3245	3054, 3055, 3056	N/A	5.2		
Pernoxit® Base Coat Series 293/295 - High Temp/Humidity	+20% +10%	N/A	3056	5.0	5.2		
Pernoxit® 2K Diamond Midcoat MC 0001	See 998.0 TDS for Mixing Recommendations	3307, 3309, 3310, 3315, 3320, 3325 or 3220, 3230, 3240, 3245	8580, 3363, 3365	+15% 9050	5.2		
Pernoxit® 2K Transparent Red Midcoat MC 0002	See 998.0 TDS for Mixing Recommendations	3307, 3309, 3310, 3315, 3320, 3325 or 3220, 3230, 3240, 3245	8580, 3363, 3365	+15% 9050	5.2		
Pernoxit® 2K Transparent Blue Midcoat MC 0003	See 998.0 TDS for Mixing Recommendations	3307, 3309, 3310, 3315, 3320, 3325 or 3220, 3230, 3240, 3245	8580, 3363, 3365	+15% 9050	5.2		
Pernoxit® Transparent Midcoat W100	1:1+3%	3220, 3245	3363, 3365	5.2	5.2	5.2% VOC/100% Solids	
Clearcoats Must be used as a system with specified basecoats							
Spies Hecker® HS Speed Clear Coat 8500	2:1	3201, 3254, 3250, 3252, 3257	N/A	N/A	5.2	Compliant when used with both 2 & 3-stage coating systems.	
Pernoxit® HS Clear Coat 8035	2:1+10%	3307, 3309, 3310, 3315, 3320, 3325	8580, 3363, 3365, 9025	N/A	5.2	Compliant when used in a 2-stage coating system.	
Pernoxit® HS Clear Coat 8035 Elastified	2:1+10%	3307, 3309, 3310, 3315, 3320, 3325	8580, 3363, 3365, 9025	+15-30% 9050	5.2	Compliant when used in a 2-stage coating system. 9050 must be added before hardener.	
Pernoxit® HS Clear Coat 8035	3:1+15-20%	3220, 3230, 3240, 3245	8580, 3363, 3365, 9025	N/A	5.2	Compliant when used with both 2 & 3-stage coating systems.	
Pernoxit® HS Clear Coat 8035 Elastified	3:1+15-20%	3220, 3230, 3240, 3245	8580, 3363, 3365, 9025	+15-30% 9050	5.2	Compliant when used with both 2 & 3-stage coating systems. 9050 must be added before hardener.	
Pernoxit® MS Express Clear Coat 8046	2:1+5-10%	3307, 3309, 3310, 3315, 3320, 3325	8580, 3363, 3365, 9025	5.2	5.2	Compliant when used in a 2-stage coating system.	
Pernoxit® MS Express Clear Coat 8046 Elastified	2:1+5-10%	3307, 3309, 3310, 3315, 3320, 3325	8580, 3363, 3365, 9025	+15-30% 9050	5.2	Compliant when used in a 2-stage coating system. 9050 must be added before hardener.	
Pernoxit® MS Express Clear Coat 8046	3:1+10%	3220, 3230, 3240, 3245	8580, 3363, 3365, 9025	N/A	5.2	Compliant when used in a 2-stage coating system.	
Pernoxit® MS Express Clear Coat 8046 Elastified	3:1+10%	3220, 3230, 3240, 3245	8580, 3363, 3365, 9025	+15-30% 9050	5.2	Compliant when used in a 2-stage coating system. 9050 must be added before hardener.	
Pernoxit® Low VOC Clear Coat 8096	2:1+5-10%	3307, 3309, 3310, 3315, 3320, 3325	3363, 3365, 8580	N/A	5.2	Compliant when used with both 2 & 3-stage coating systems.	
Pernoxit® Low VOC Clear Coat 8096 Elastified	2:1+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.	
Pernoxit® Low VOC Clear Coat 8096 Elastified	2:1+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.	
Pernoxit® 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.	
Pernoxit® MS Clear Coat 8180 Elastified	2:1	3307, 3309, 3310, 3315, 3320	N/A	+15-30% 9050	5.2	Only compliant when used in a 2-stage coating system. 9050 must be added before hardener.	
Pernoxit® MS Clear Coat 8180	3:1+10%	3220, 3230, 3240, 3245	8580, 3363, 3365, 9025	N/A	5.2	Only compliant when used in a 2-stage coating system.	
Pernoxit® MS Clear Coat 8180 Elastified	3:1+10%	3220, 3230, 3240, 3245	8580, 3363, 3365, 9025	+15-30% 9050	5.2	Only compliant when used in a 2-stage coating system. 9050 must be added before hardener.	
Pernoxit® MS Clear Coat 8180	3:1+10%	3240	8580, 3363, 3365	N/A	5.2	Compliant when used with both 2 & 3-stage coating systems.	
Pernoxit® HS Diamond Clear Coat 8450 - ASAP	2:1+5-10%	3307, 3309, 3310, 3315, 3320, 3325	8580, 3363, 3365	+15-30% 9050	5.2	Compliant when used with both 2 & 3-stage coating systems. 9050 must be added before hardener.	
Pernoxit® HS Optimum Clear Coat 8600	3:1	3201, 3254, 3250, 3252, 3257	N/A	N/A	5.0	Only compliant if used in a 2-stage coating system with 293/295 basecoat or with a 2 or 3-stage coating system and Pernoxit® HS TEC basecoat.	
Pernoxit® HS Optimum Clear Coat 8600 Elastified	3:1+5-10%	3201, 3254, 3250, 3252, 3257	8580, 3363, 3365, 9025	+15-30% 9050	5.2	Compliant when used with both 2 & 3-stage coating systems.	
Pernoxit® HS Optimum Clear Coat 8600	3:1+5-10%	3220, 3230, 3240, 3245	8580, 3363, 3365, 9025	N/A	5.0	Only compliant if used in a 2-stage coating system with 293/295 basecoat or with a 2 or 3-stage coating system and Pernoxit® HS TEC basecoat.	
Pernoxit® HS Optimum Clear Coat 8600 Elastified	3:1+5-10%	3220, 3230, 3240, 3245	8580, 3363, 3365, 9025	+15-30% 9050	5.2	Compliant when used with both 2 & 3-stage coating systems. 9050 must be added before hardener.	
Pernoxit® HS Optimum Clear Coat 8600 Elastified	3:1+5-10%	3220, 3230, 3240, 3245	8580, 3363, 3365, 9025	+15-30% 9050	5.0	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 10% of all coatings applied on a weekly basis.							
Adhesion Promoters							
Pernoxit® Transparent Surface 8550	3:1+20-30%	3307, 3309, 3310, 3315, 3320, 3325	8580, 3363, 3365	N/A	7.0		
Pernoxit® Transparent Surface 8550	4:1+20%	3220, 3230, 3240, 3245	8580, 3363, 3365	N/A	7.0		
Pernoxit® Vario Surface 8500	3:1+20-30%	3307, 3309, 3310, 3315, 3320, 3325	8580, 3363, 3365	N/A	7.0		
Pernoxit® Vario Surface 8500	5:1+20-30%	3220, 3230, 3240, 3245	8580, 3363, 3365	N/A	7.0		
Elastomeric Coatings							
Pernoxit® 1:1 Elastic Primer Surface 3300	1:1	3301	N/A	N/A	7.0		
Pernoxit® Elastic Primer 3304	Ready to Use	N/A	N/A	N/A	N/A		
Pernoxit® Elastic Primer 3304 (Acronol)	Ready to Use	N/A	N/A	N/A	N/A		
Pernoxit® Elastic Primer 4195	Ready to Use	N/A	N/A	N/A	N/A		
300™ Acrylic Plastic Polyethylene Adhesion Promoter	Ready to Use	N/A	N/A	N/A	N/A		
305™ Acrylic Plastic Polyethylene Adhesion Promoter	Ready to Use	N/A	N/A	N/A	N/A		
310A™ Acrylic Plastic Polyethylene Adhesion Promoter (Acronol)	Ready to Use	N/A	N/A	N/A	N/A		
320™ Acrylic Plastic Primer Surface Black	1:1	331	N/A	N/A	7.0		
330™ Acrylic Plastic Primer Surface Gray	1:1	331	N/A	N/A	7.0		
Pernoxit® Matt System Clear Coat 8185 / Pernoxit® Semi-Gloss System Clear Coat 8170	See Matt Clear System TDS	3225, 3240	3365	N/A	7.0		
Pernoxit® Matt Compound MA110 / Pernoxit® Semi-Gloss System Clear Coat 8170	See Matt Clear System TDS	3225, 3240	3365	N/A	7.0		
Pernoxit® Semi-gloss, Elastic Clear Coat 8070	3:1+5-10%	3307, 3309, 3310, 3315, 3320, 3325	8580, 3363, 3365	N/A	7.0		
Pernoxit® Semi-gloss, Elastic Clear Coat 8070	4:1+20%	3220, 3230, 3240, 3245	8580, 3363, 3365	N/A	7.0		
Pernoxit® 1K PP104 Rally Matte Black	3:1+5-10%	3307, 3309, 3310, 3315, 3320, 3325	8580, 3363, 3365	N/A	7.0		
Failure Eliminator							
Pernoxit® Antislack 8519	2:1ml w/RTS 2K Clear Coat	N/A	N/A	N/A	7.0		
Uniform Finish Coatings							
Pernoxit® Speed Blender 1336	3:1 w Spies Hecker® HS Speed Clear Coat 8500 (RTS)						
Pernoxit® Speed Blender 1336	1:1 wPernoxit® or Pernoxit® Clear Coat (RTS)						
Pernoxit® Blend-a-Blend 8600	1:2 w/93/295 RTS						
Pernoxit® Blend-a-Blend 8600	1:1 wPernoxit® Base Coat Series 280/285 (RTS)						
Pernoxit® Blend-a-Blend 9017	1:2 wPernoxit® Base Coat Series 280/285 (RTS)						
Pernoxit® Blend-a-Blend 90							