

VOC Chart



For the State of Tennessee - Group 1 Vehicles : see note in footer

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

Revised: January 2024

Effective: March 1, 2013

Compliant Aerosol Coating Products			
CODE	DESCRIPTION	CODE	DESCRIPTION
402-01™	Gloss Trim Black	421-25™	Red Oxide Primer
402-02™	Flat Trim Black	421-26™	Beige Primer
402-03™	Semi Gloss Trim Black	441-37™	Nason® Fill-In Can
402-11™	Gloss White	492-51™	Undercoating
403-00™	Clearcoat	VS3100™	Etch Primer
421-24™	Primer		

Surface Preparation: VOC Limit = 1.7 lbs./gal (208 g/L)			
CODE	DESCRIPTION	REMARKS	APPLIED VOC
107™	Gun & Equipment Cleaner		0.2 lb/gal
130™	Cleaner		0.0 lb/gal
210™	Silicone Remover Water		1.4 lb/gal
220™	Silicone Remover Low VOC		0.2 lb/gal

Pretreatments: VOC limit = 6.5 lbs/gal. (780 g/L)						
CODE	DESCRIPTION	REMARKS	MIX RATIO	HARDENER	REDUCER	MAX APPLIED VOC (LE)
491-17™	Etch Primer		1:1	441-43™	-	6.5 lb/gal
PS4000™	Pretreatment Wipes		RTS	-	-	6.5 lb/gal
VS3000™	Etch Primer		2:1	-	VS3001™	6.5 lb/gal

Specialty - Adhesion Promoter: VOC limit = 7.0 lbs/gal. (840 g/L)						
CODE	DESCRIPTION	REMARKS	MIX RATIO	HARDENER	REDUCER	MAX APPLIED VOC (LE)
VS2000™	Plastic Adhesion Promoter		RTS	-	-	4.5 lb/gal

Primer / Primer-Surfacers: VOC Limit = 4.8 lbs/gal. (580 g/L)						
CODE	DESCRIPTION	REMARKS	MIX RATIO	HARDENER	REDUCER	MAX APPLIED VOC (LE)
491-16™	Primer		1:1	483-19™	-	4.8 lb/gal
421-08™	Primer Surfacer		1:1	-	441-62™	4.8 lb/gal
421-09™	Primer Surfacer		1:1	-	441-62™	4.8 lb/gal
421-1X	Primer		4:1	483-03™	-	4.8 lb/gal
421-23™	Primer Surfacer		1:1	-	441-60™	4.8 lb/gal
421-17™	Primer		4:1	483-87™	-	4.8 lb/gal
421-19™	Primer		4:1	483-87™	-	4.8 lb/gal
421-30™	Primer Surfacer		1:1	-	441-60™	4.8 lb/gal

Primer-Sealer VOC Limit = 4.6 lbs/gal. (550 g/L)						
CODE	DESCRIPTION	REMARKS	MIX RATIO	HARDENER	REDUCER	MAX APPLIED VOC (LE)
421-1X™	Sealer		3:1:2	483-03™	401-X5	4.6 lb/gal
422-5X™	Sealer		4:1	483-87™ / 483-88™	-	4.6 lb/gal
422-46™	Sealer	Option: Reduce with 441-2X	2:1	-	441-00™	4.6 lb/gal
491-1X™	Primer Sealer		2:1	483-01™ / 483-02™	-	4.6 lb/gal
491-35™	Primer Sealer		4:1	483-35™ / 483-45™	-	4.6 lb/gal
491-2X™	Primer	Option: Reduce 20% with 441-2X	RTS	-	See remarks	4.6 lb/gal
422-23™	Sealer		RTS	-	-	4.6 lb/gal

Single Stage Topcoats: VOC Limit = 5.0 lbs/gal. (600 g/L)						
CODE	DESCRIPTION	REMARKS	MIX RATIO	HARDENER	REDUCER	MAX APPLIED VOC (LE)
NIB Quality	Ful-Thane® 2K Urethane Single Stage Topcoat		4:1:1	VS5300	VS51\$0	5.0 lb/gal
NIC Quality	Ful-Base® 2K Enamel Single Stage Topcoat		4:1:1	VS5310	VS51\$0	5.0 lb/gal
NID Quality	Ful-Cryl® 2K Acrylic Single Stage Topcoat		4:1:1	VS5320	VS51\$0	5.0 lb/gal
NIE Quality	FastDry™ 1K Acrylic Single Stage Topcoat		4:1	-	VS51\$0	5.0 lb/gal
NIS Quality	Ful-Thane® 2K Low VOC Single Stage Topcoat		4:1:1	VS5330	VS515#	5.0 lb/gal
400-105	Ful-Thane® Fac Pac Black NIB		4:1:1	VS5300	VS51\$0	5.0 lb/gal
400-107	Ful-Thane® Fac Pac White NIB		4:1:1	VS5300	VS51\$0	5.0 lb/gal
400-106	Ful-Thane® Fac Pac Snow White NIB		4:1:1	VS5300	VS51\$0	5.0 lb/gal
419-105	Ful-Base® Fac Pac Black NIC		4:1:1	VS5310	VS51\$0	5.0 lb/gal
419-106	Ful-Base® Fac Pac White NIC		4:1:1	VS5310	VS51\$0	5.0 lb/gal
418-05	Ful-Cryl® Fac Pac Black NID		4:1:1	VS5320	VS51\$0	5.0 lb/gal
418-06	Ful-Cryl® Fac Pac White NID		4:1:1	VS5320	VS51\$0	5.0 lb/gal
414-2005	FastDry™ Fac Pac Black NIE		4:1	-	VS51\$0	5.0 lb/gal
414-2006	FastDry™ Fac Pac Frost White NIE		4:1	-	VS51\$0	5.0 lb/gal
412-105	Ful-Thane® Low VOC Fac Pac Black NIS		4:1:1	VS5330	VS515#	5.0 lb/gal
412-106	Ful-Thane® Low VOC Fac Pac White NIS		4:1:1	VS5330	VS515#	5.0 lb/gal
422-05™	Chassis Black		RTS	-	-	5.0 lb/gal

Multi-Stage Topcoats: VOC Limit = 5.2 lbs/gal. (630 g/L)						
Must be used with specified clearcoats for compliance. Consult technical data sheet.						
CODE	DESCRIPTION	REMARKS	MIX RATIO	HARDENER	REDUCER	MAX APPLIED VOC (LE)
NIF Quality	Ful-Base® Basecoat		1:1	Activation Optional: 483-84, 483-78, or 445-12	VS51&0	5.0 lb/gal

Multi-Stage Topcoats: VOC Limit = 5.2 lbs/gal. (630 g/L)						
Must be used with specified basecoats for compliance. Consult technical data sheet.						
CODE	DESCRIPTION	REMARKS	MIX RATIO	HARDENER	REDUCER	MAX APPLIED VOC (LE)
419-00™	Clearcoat		4:1:1	483-08™	441-2X	5.0 lb/gal
419-00™	Clearcoat		2:1	483-13™ / 483-14™	441-2X	5.0 lb/gal
462-00™	Clearcoat		4:1	483-84™ / 483-85™	-	5.0 lb/gal
465-00™	Clearcoat		2:1:20%	483-84™ / 483-85™	441-2X	5.0 lb/gal
468-00™	Clearcoat	*Note in footer	3:1	483-84™ / 483-85™	-	5.0 lb/gal
475-00™	Clearcoat		2:1	483-70™ / 483-71™	-	5.0 lb/gal
476-00™	Clearcoat		2:1	483-64™ / 483-65™	-	5.0 lb/gal
496-00™	Clearcoat		4:1	483-7X	-	5.0 lb/gal
497-00™	Clearcoat		4:1	483-7X	-	5.0 lb/gal
498-00™	Clearcoat		4:1	483-7X	-	5.0 lb/gal

Other components that may be used (list is not all-inclusive). Consult technical data sheet for usage and compliance.

CODE	DESCRIPTION		CODE	DESCRIPTION
VS4500	Axalta® 2K Urethane Integrated Clear	4:1:1	VS5300 or VS5320	VS51\$0
VS4510	Axalta® 2K Urethane Low VOC Integrated Clear	4:1:1	VS5330	VS515#
VS6550	Axalta® Accelerator			
VS6500	Axalta® Fisheye Eliminator			
VS6200	Axalta® VS6200 Matte Base Additive			
441-83™	Low VOC Flow Additive			

Group 1 : Passenger cars, large truck cabs & chassis, light & medium duty trucks and vans, motor homes, recreational vehicles, and motorcycles.

All VOC (LE) values listed are maximum Ready-to-Spray in pounds per gallon

& = 5, 6, 7, 8, 9

= 6, 7, 8, 9

‡ Optional Activation: Add 1 oz. 483-56™ RTS quart.

Aerosol coating products exempt from Rule 1200-03-18-.45

\$ = 6, 7, 8, 9

X = 0, 1, 2, 6, 8

*Consult TDS for alternate recommendation