

ILLINOIS POLLUTION CONTROL BOARD

June 26, 2025

IN THE MATTER OF:)
)
AMENDMENTS TO 35 ILL. ADM. CODE) R 25-25
219, ORGANIC MATERIAL EMISSIONS) (Rulemaking – Air)
STANDARDS FOR THE METRO EAST)
AREA)

Proposed Rule. First Notice.

OPINION AND ORDER OF THE BOARD (by M.D. Mankowski):

On June 12, 2025, the Illinois Environmental Protection Agency (IEPA) filed a proposal to amend Part 219 of the Board’s air pollution regulations. Part 219 address emissions of volatile organic materials (VOM) from various categories of stationary sources in the Metro East area. IEPA’s proposal includes a Statement of Reasons (SR), Technical Support Document (TSD), and the proposed revisions to Part 219. *See* 35 Ill. Adm. Code 102.202.

For the reasons below, the Board accepts IEPA’s proposal for hearing and directs its Clerk to submit the proposal to first-notice publication in the *Illinois Register* without commenting on its substantive merits. The Board also directs its hearing officer to proceed to hearing. The Board’s first-notice proposal appears after this order.

IEPA PROPOSAL

IEPA proposes to add an exemption for aerospace facilities that was inadvertently omitted from a previous rulemaking. SR at 1; *see also* Amendments to 35 Ill. Adm. Code 219, Organic Material Emission Standards for the Metro-East Area, and 35 Ill. Adm. Code 211, Definitions and General Provisions (Aerospace Rulemaking), R21-18 (Mar. 4, 2021). In the Aerospace Rulemaking, the Board adopted amendments to Part 219 to control VOM emissions at aerospace manufacturing and rework operations in the Metro East counties of Madison, Monroe, and St. Clair. *Id.* The United States Environmental Protection Agency (USEPA) then approved the final rule as revisions to Illinois’ State Implementation Plan (SIP) for reasonably attainable control technology (RACT) standards for VOM. SR at 1; TSD at 1.

The Aerospace Rulemaking included a limited exemption in Section 219.214(r) for separate formulations of specialty coatings “in volumes of less than 50 gallons per year, subject to a maximum exemption of 200 gallons per year for all such formulations applied annually.” SR at 1-2; 35 Ill. Adm. Code 219.204(r). However, the rulemaking omitted a similar exemption for primers, topcoats, and chemical milling maskants in the same volumes. *Id.* USEPA’s 1997 control techniques guideline, “Control of Volatile Organic Compound Emissions from Coating Operations at Aerospace Manufacturing and Rework Facilities” (EPA-453/R-97-004), includes both exemptions. SR at 2. IEPA seeks to correct the inadvertent omission and make the Illinois standards consistent with the USEPA guideline. *Id.*

Additionally, if adopted, IEPA intends to submit this proposal to USEPA as a SIP revision for the Illinois VOM RACT standards. SR at 4; *see also* TSD at 1.

FIRST-NOTICE PUBLICATION AND COMMENT

The Board finds that IEPA's proposal meets the requirements of the Illinois Environmental Protection Act (Act) and the Board's procedural rules and accepts the proposal for hearing. *See* 415 ILCS 5/27, 28 (2024); 35 Ill. Adm. Code 102.202.

The Board acknowledges IEPA's need to correct the inadvertent omission and obtain USEPA's approval of a proposed revised SIP. Therefore, to expedite consideration of IEPA's proposal, the Board directs its Clerk to submit the proposal to first-notice publication in the *Illinois Register* without commenting on its substantive merits. *See* 5 ILCS 100/5-40(b) (2024). Publication of the proposal in the *Illinois Register* begins a period of at least 45 days during which any person may file a public comment with the Board. Comments should include this rulemaking's docket number, R25-25, and should be filed electronically through the Clerk's Office On-Line (COOL) on the Board's website (www.pcb.illinois.gov). Comments may also be addressed to don.brown@illinois.gov. Questions about filing comments can be directed to the Clerk's Office at 312-814-3461.

ORDER

1. The Board accepts IEPA's proposal for hearing.
2. Without commenting on the substantive merits of IEPA's proposal, the Board directs its Clerk to provide first-notice publication of the proposal in the *Illinois Register* under the Administrative Procedure Act. The proposed rule appears after this order.
3. The Board directs its assigned hearing officer to proceed to hearing under the rulemaking provisions of the Act and the Board's procedural rules.

IT IS SO ORDERED.

I, Don A. Brown, Clerk of the Illinois Pollution Control Board, certify that the Board adopted the above opinion and order on June 26, 2025, by a vote of 5-0.



Don A. Brown, Clerk
Illinois Pollution Control Board

TITLE 35: ENVIRONMENTAL PROTECTION
 SUBTITLE B: AIR POLLUTION
 CHAPTER I: POLLUTION CONTROL BOARD
 SUBCHAPTER c: EMISSIONS STANDARDS AND
 LIMITATIONS FOR STATIONARY SOURCES

PART 219
 ORGANIC MATERIAL EMISSION STANDARDS AND LIMITATIONS FOR
 THE METRO EAST AREA

SUBPART A: GENERAL PROVISIONS

Section	
219.100	Introduction
219.101	Savings Clause
219.102	Abbreviations and Conversion Factors
219.103	Applicability
219.104	Definitions
219.105	Test Methods and Procedures
219.106	Compliance Dates
219.107	Operation of Afterburners
219.108	Exemptions, Variations, and Alternative Means of Control or Compliance Determinations
219.109	Vapor Pressure of Volatile Organic Liquids
219.110	Vapor Pressure of Organic Material or Solvent
219.111	Vapor Pressure of Volatile Organic Material
219.112	Incorporations by Reference
219.113	Monitoring for Negligibly-Reactive Compounds

SUBPART B: ORGANIC EMISSIONS FROM STORAGE AND LOADING OPERATIONS

Section	
219.119	Applicability for VOL
219.120	Control Requirements for Storage Containers of VOL
219.121	Storage Containers of VPL
219.122	Loading Operations
219.123	Petroleum Liquid Storage Tanks
219.124	External Floating Roofs
219.125	Compliance Dates
219.126	Compliance Plan (Repealed)
219.127	Testing VOL Operations
219.128	Monitoring VOL Operations
219.129	Recordkeeping and Reporting for VOL Operations

SUBPART C: ORGANIC EMISSIONS FROM MISCELLANEOUS EQUIPMENT

Section

219.141	Separation Operations
219.142	Pumps and Compressors
219.143	Vapor Blowdown
219.144	Safety Relief Valves

SUBPART E: SOLVENT CLEANING

Section	
219.181	Solvent Cleaning Degreasing Operations
219.182	Cold Cleaning
219.183	Open Top Vapor Degreasing
219.184	Conveyorized Degreasing
219.185	Compliance Schedule (Repealed)
219.186	Test Methods
219.187	Other Industrial Solvent Cleaning Operations

SUBPART F: COATING OPERATIONS

Section	
219.204	Emission Limitations
219.205	Daily-Weighted Average Limitations
219.206	Solids Basis Calculation
219.207	Alternative Emission Limitations
219.208	Exemptions From Emission Limitations
219.209	Exemption From General Rule on Use of Organic Material
219.210	Compliance Schedule
219.211	Recordkeeping and Reporting
219.212	Cross-Line Averaging to Establish Compliance for Coating Lines
219.213	Recordkeeping and Reporting for Cross-Line Averaging Participating Coating Lines
219.214	Changing Compliance Methods
219.215	Wood Furniture Coating Averaging Approach
219.216	Wood Furniture Coating Add-On Control Use
219.217	Wood Furniture Coating and Flat Wood Paneling Coating Work Practice Standards
219.218	Work Practice Standards for Paper Coatings, Metal Furniture Coatings, and Large Appliance Coatings
219.219	Work Practice Standards for Aerospace Facilities, Automobile and Light-Duty Truck Assembly Coatings, and Miscellaneous Metal and Plastic Parts Coatings

SUBPART G: USE OF ORGANIC MATERIAL

Section	
219.301	Use of Organic Material
219.302	Alternative Standard
219.303	Fuel Combustion Emission Units

219.304 Operations with Compliance Program

SUBPART H: PRINTING AND PUBLISHING

Section

- 219.401 Flexographic and Rotogravure Printing
- 219.402 Applicability
- 219.403 Compliance Schedule
- 219.404 Recordkeeping and Reporting
- 219.405 Lithographic Printing: Applicability
- 219.406 Provisions Applying to Heatset Web Offset Lithographic Printing Prior to March 15, 1996 (Repealed)
- 219.407 Emission Limitations and Control Requirements for Lithographic Printing Lines
- 219.408 Compliance Schedule for Lithographic Printing On and After March 15, 1996 (Repealed)
- 219.409 Testing for Lithographic Printing
- 219.410 Monitoring Requirements for Lithographic Printing
- 219.411 Recordkeeping and Reporting for Lithographic Printing
- 219.412 Letterpress Printing Lines: Applicability
- 219.413 Emission Limitations and Control Requirements for Letterpress Printing Lines
- 219.415 Testing for Letterpress Printing Lines
- 219.416 Monitoring Requirements for Letterpress Printing Lines
- 219.417 Recordkeeping and Reporting for Letterpress Printing Lines

SUBPART Q: SYNTHETIC ORGANIC CHEMICAL AND POLYMER MANUFACTURING PLANT

Section

- 219.421 General Requirements
- 219.422 Inspection Program Plan for Leaks
- 219.423 Inspection Program for Leaks
- 219.424 Repairing Leaks
- 219.425 Recordkeeping for Leaks
- 219.426 Report for Leaks
- 219.427 Alternative Program for Leaks
- 219.428 Open-Ended Valves
- 219.429 Standards for Control Devices
- 219.430 Compliance Date (Repealed)
- 219.431 Applicability
- 219.432 Control Requirements
- 219.433 Performance and Testing Requirements
- 219.434 Monitoring Requirements
- 219.435 Recordkeeping and Reporting Requirements
- 219.436 Compliance Date

SUBPART R: PETROLEUM REFINING AND

RELATED INDUSTRIES; ASPHALT MATERIALS

Section	
219.441	Petroleum Refinery Waste Gas Disposal
219.442	Vacuum Producing Systems
219.443	Wastewater (Oil/Water) Separator
219.444	Process Unit Turnarounds
219.445	Leaks: General Requirements
219.446	Monitoring Program Plan for Leaks
219.447	Monitoring Program for Leaks
219.448	Recordkeeping for Leaks
219.449	Reporting for Leaks
219.450	Alternative Program for Leaks
219.451	Sealing Device Requirements
219.452	Compliance Schedule for Leaks
219.453	Compliance Dates (Repealed)

SUBPART S: RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS

Section	
219.461	Manufacture of Pneumatic Rubber Tires
219.462	Green Tire Spraying Operations
219.463	Alternative Emission Reduction Systems
219.464	Emission Testing
219.465	Compliance Dates (Repealed)
219.466	Compliance Plan (Repealed)

SUBPART T: PHARMACEUTICAL MANUFACTURING

Section	
219.480	Applicability
219.481	Control of Reactors, Distillation Units, Crystallizers, Centrifuges and Vacuum Dryers
219.482	Control of Air Dryers, Production Equipment Exhaust Systems and Filters
219.483	Material Storage and Transfer
219.484	In-Process Tanks
219.485	Leaks
219.486	Other Emission Units
219.487	Testing
219.488	Monitoring for Air Pollution Control Equipment
219.489	Recordkeeping for Air Pollution Control Equipment

SUBPART V: BATCH OPERATIONS AND AIR OXIDATION PROCESSES

Section	
219.500	Applicability for Batch Operations

219.501	Control Requirements for Batch Operations
219.502	Determination of Uncontrolled Total Annual Mass Emissions and Actual Weighted Average Flow Rate Values for Batch Operations
219.503	Performance and Testing Requirements for Batch Operations
219.504	Monitoring Requirements for Batch Operations
219.505	Reporting and Recordkeeping for Batch Operations
219.506	Compliance Date
219.520	Emission Limitations for Air Oxidation Processes
219.521	Definitions (Repealed)
219.522	Savings Clause
219.523	Compliance
219.524	Determination of Applicability
219.525	Emission Limitations for Air Oxidation Processes (Renumbered)
219.526	Testing and Monitoring
219.527	Compliance Date (Repealed)

SUBPART W: AGRICULTURE

Section	
219.541	Pesticide Exception

SUBPART X: CONSTRUCTION

Section	
219.561	Architectural Coatings
219.562	Paving Operations
219.563	Cutback Asphalt

SUBPART Y: GASOLINE DISTRIBUTION

Section	
219.581	Bulk Gasoline Plants
219.582	Bulk Gasoline Terminals
219.583	Gasoline Dispensing Operations – Storage Tank Filling Operations
219.584	Gasoline Delivery Vessels
219.585	Gasoline Volatility Standards (Repealed)
219.586	Gasoline Dispensing Operations – Motor Vehicle Fueling Operations (Repealed)

SUBPART Z: DRY CLEANERS

Section	
219.601	Perchloroethylene Dry Cleaners (Repealed)
219.602	Exemptions (Repealed)
219.603	Leaks (Repealed)
219.604	Compliance Dates (Repealed)
219.605	Compliance Plan (Repealed)

219.606	Exception to Compliance Plan (Repealed)
219.607	Standards for Petroleum Solvent Dry Cleaners
219.608	Operating Practices for Petroleum Solvent Dry Cleaners
219.609	Program for Inspection and Repair of Leaks
219.610	Testing and Monitoring
219.611	Exemption for Petroleum Solvent Dry Cleaners
219.612	Compliance Dates (Repealed)
219.613	Compliance Plan (Repealed)

SUBPART AA: PAINT AND INK MANUFACTURING

Section	
219.620	Applicability
219.621	Exemption for Waterbase Material and Heatset-Offset Ink
219.623	Permit Conditions
219.624	Open-Top Mills, Tanks, Vats or Vessels
219.625	Grinding Mills
219.626	Storage Tanks
219.628	Leaks
219.630	Clean Up
219.636	Compliance Schedule
219.637	Recordkeeping and Reporting

SUBPART BB: POLYSTYRENE PLANTS

Section	
219.640	Applicability
219.642	Emissions Limitation at Polystyrene Plants
219.644	Emissions Testing

SUBPART FF: BAKERY OVENS

Section	
219.720	Applicability (Repealed)
219.722	Control Requirements (Repealed)
219.726	Testing (Repealed)
219.727	Monitoring (Repealed)
219.728	Recordkeeping and Reporting (Repealed)
219.729	Compliance Date (Repealed)
219.730	Certification (Repealed)

SUBPART GG: MARINE TERMINALS

Section	
219.760	Applicability
219.762	Control Requirements

219.764	Compliance Certification
219.766	Leaks
219.768	Testing and Monitoring
219.770	Recordkeeping and Reporting

SUBPART HH: MOTOR VEHICLE REFINISHING

Section	
219.780	Emission Limitations
219.782	Alternative Control Requirements
219.784	Equipment Specifications
219.786	Surface Preparation Materials
219.787	Work Practices
219.788	Testing
219.789	Monitoring and Recordkeeping for Control Devices
219.790	General Recordkeeping and Reporting (Repealed)
219.791	Compliance Date
219.792	Registration (Repealed)
219.875	Applicability of Subpart BB (Renumbered)
219.877	Emissions Limitation at Polystyrene Plants (Renumbered)
219.879	Compliance Date (Repealed)
219.881	Compliance Plan (Repealed)
219.883	Special Requirements for Compliance Plan (Repealed)
219.886	Emissions Testing (Renumbered)

SUBPART II: FIBERGLASS BOAT MANUFACTURING MATERIALS

Section	
219.890	Applicability
219.891	Emission Limitations and Control Requirements
219.892	Testing and Monitoring Requirements
219.894	Recordkeeping and Reporting Requirements

SUBPART JJ: MISCELLANEOUS INDUSTRIAL ADHESIVES

Section	
219.900	Applicability
219.901	Emission Limitations and Control Requirements
219.902	Testing Requirements
219.903	Monitoring Requirements
219.904	Recordkeeping and Reporting Requirements

SUBPART PP: MISCELLANEOUS FABRICATED PRODUCT MANUFACTURING PROCESSES

Section	
---------	--

219.920	Applicability
219.923	Permit Conditions
219.926	Control Requirements
219.927	Compliance Schedule
219.928	Testing

SUBPART QQ: MISCELLANEOUS FORMULATION MANUFACTURING PROCESSES

Section	
219.940	Applicability
219.943	Permit Conditions
219.946	Control Requirements
219.947	Compliance Schedule
219.948	Testing

SUBPART RR: MISCELLANEOUS ORGANIC CHEMICAL MANUFACTURING PROCESSES

Section	
219.960	Applicability
219.963	Permit Conditions
219.966	Control Requirements
219.967	Compliance Schedule
219.968	Testing

SUBPART TT: OTHER EMISSION UNITS

Section	
219.980	Applicability
219.983	Permit Conditions
219.986	Control Requirements
219.987	Compliance Schedule
219.988	Testing

SUBPART UU: RECORDKEEPING AND REPORTING

Section	
219.990	Exempt Emission Units
219.991	Subject Emission Units

219.APPENDIX A	List of Chemicals Defining Synthetic Organic Chemical and Polymer Manufacturing
219.APPENDIX B	VOM Measurement Techniques for Capture Efficiency (Repealed)
219.APPENDIX C	Reference Methods and Procedures
219.APPENDIX D	Coefficients for the Total Resource Effectiveness Index (TRE) Equation

219.APPENDIX E	List of Affected Marine Terminals
219.APPENDIX G	TRE Index Measurements for SOCFI Reactors and Distillation Units
219.APPENDIX H	Baseline VOM Content Limitations for Subpart F, Section 219.212 Cross-Line Averaging

AUTHORITY: Implementing Section 10 and authorized by Sections 27, 28 and 28.5 of the Environmental Protection Act [415 ILCS 5/10, 27, 28 and 28.5].

SOURCE: Adopted in R91-8 at 15 Ill. Reg. 12491, effective August 16, 1991; amended in R91-24 at 16 Ill. Reg. 13597, effective August 24, 1992; amended in R91-30 at 16 Ill. Reg. 13883, effective August 24, 1992; emergency amendment in R93-12 at 17 Ill. Reg. 8295, effective May 24, 1993, for a maximum of 150 days; amended in R93-9 at 17 Ill. Reg. 16918, effective September 27, 1993 and October 21, 1993; amended in R93-28 at 18 Ill. Reg. 4242, effective March 3, 1994; amended in R94-12 at 18 Ill. Reg. 14987, effective September 21, 1994; amended in R94-15 at 18 Ill. Reg. 16415, effective October 25, 1994; amended in R94-16 at 18 Ill. Reg. 16980, effective November 15, 1994; emergency amendment in R95-10 at 19 Ill. Reg. 3059, effective February 28, 1995, for a maximum of 150 days; amended in R94-21, R94-31 and R94-32 at 19 Ill. Reg. 6958, effective May 9, 1995; amended in R94-33 at 19 Ill. Reg. 7385, effective May 22, 1995; amended in R96-2 at 20 Ill. Reg. 3848, effective February 15, 1996; amended in R96-13 at 20 Ill. Reg. 14462, effective October 28, 1996; amended in R97-24 at 21 Ill. Reg. 7721, effective June 9, 1997; amended in R97-31 at 22 Ill. Reg. 3517, effective February 2, 1998; amended in R04-12/20 at 30 Ill. Reg. 9799, effective May 15, 2006; amended in R06-21 at 31 Ill. Reg. 7110, effective April 30, 2007; amended in R10-10 at 34 Ill. Reg. 5392, effective March 23, 2010; amended in R10-8 at 34 Ill. Reg. 9253, effective June 25, 2010; amended in R10-20 at 34 Ill. Reg. 14326, effective September 14, 2010; amended in R10-8(A) at 35 Ill. Reg. 496, effective December 21, 2010; amended in R11-23 at 35 Ill. Reg. 13676, effective July 27, 2011; amended in R11-23(A) at 35 Ill. Reg. 18830, effective October 25, 2011; amended in R12-24 at 37 Ill. Reg. 1722, effective January 28, 2013; amended in R13-18 at 38 Ill. Reg. 1061, effective December 23, 2013; amended in R21-18 at 45 Ill. Reg. 3553, effective March 4, 2021; amended in R25-25 at 49 Ill. Reg. _____, effective _____.

SUBPART F: COATING OPERATIONS

Section 219.204 Emission Limitations

Except as provided in Sections 219.205, 219.207, 219.208, 219.212, 219.215 and 219.216, an owner or operator of a coating line must not apply at any time any coating in which the VOM content exceeds the following emission limitations for the specified coating. Except as otherwise provided in subsections (a), (c), (g), (h), (j), (l), (n), (o), (q), and (r), compliance with the emission limitations marked with an asterisk in this Section is required on and after March 15, 1996, and compliance with emission limitations not marked with an asterisk is required until March 15, 1996. The following emission limitations are expressed in units of VOM per volume of coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied at each coating applicator, except where noted. Compounds which are specifically exempted from the definition of VOM should be treated as water for the purpose of calculating the "less water" part of the coating composition. Compliance with this Subpart must

be demonstrated through the applicable coating analysis test methods and procedures specified in Section 219.105(a) and the recordkeeping and reporting requirements specified in Section 219.211(c) except where noted. (Note: The equation presented in Section 219.206 must be used to calculate emission limitations for determining compliance by add-on controls, credits for transfer efficiency, emissions trades and cross-line averaging.) The emission limitations are as follows:

a)	Automobile or Light-Duty Truck Coating	kg/l	lb/gal
1)	Prior to May 1, 2012:		
	A) Prime coat	0.14	(1.2)
		0.14*	(1.2)*
	B) Primer surface coat	1.81	(15.1)
		1.81*	(15.1)*

BOARD NOTE: The primer surface coat limitation is in units of kg (lbs) of VOM per l (gal) of coating solids deposited. Compliance with the limitation must be based on the daily-weighted average from an entire primer surface operation. Compliance must be demonstrated in accordance with the topcoat protocol referenced in Section 219.105(b)(1)(A) and the recordkeeping and reporting requirements specified in Section 219.211(f). Testing to demonstrate compliance must be performed in accordance with the topcoat protocol and a detailed testing proposal approved by the Agency and USEPA specifying the method of demonstrating compliance with the protocol. Section 219.205 does not apply to the primer surface limitation.

C)	Topcoat	kg/l	lb/gal
		1.81	(15.1)
		1.81*	(15.1)*

BOARD NOTE: The topcoat limitation is in units of kg (lbs) of VOM per l (gal) of coating solids deposited. Compliance with the limitation must be based on the daily-weighted average from an entire topcoat operation. Compliance must be demonstrated in accordance with the topcoat protocol referenced in Section 219.105(b)(1)(A) and the recordkeeping and reporting requirements specified in Section 219.211(f). Testing to demonstrate compliance must be performed in accordance with the topcoat protocol and a detailed testing proposal approved by the Agency and USEPA specifying the method of demonstrating compliance with the protocol. Section 219.205 does not apply to the topcoat limitation.

D)	Final repair coat	kg/l	lb/gal
		0.58	(4.8)
		0.58*	(4.8)*

- 2) On and after May 1, 2012, subject automobile and light-duty truck coating lines must comply with the following limitations. These limitations must not apply to materials supplied in containers with a net volume of 0.47 liters (16 oz) or less, or a net weight of 0.45 kg (1 lb) or less:

- A) Electrodeposition primer (EDP) operations. For purposes of this subsection (a)(2)(A), "electrodeposition" means a water-borne dip coating process in which opposite electrical charges are applied to the substrate and the coating. The coating is attracted to the substrate due to the electrochemical potential difference that is created.

	kg VOM/ coating solids applied	lb VOM/gal coating solids applied
i) When solids turnover ratio (R_T) is greater than or equal to 0.160	0.084	(0.7)
ii) When R_T is greater than or equal to 0.040 and less than 0.160	$0.084 \times 350^{0.160-R_T}$	$(0.084 \times 350^{0.160-R_T} \times 8.34)$

- B) Primer surfacer operations

	kg VOM/ coating solids deposited	lb VOM/gal coating solids deposited
i) VOM content limitation	1.44	(12.0)
ii) Compliance with the limitation in subsection (a)(2)(B)(i) must be based on the daily-weighted average from an entire primer surfacer operation. Compliance must be demonstrated in accordance with the topcoat protocol referenced in Section 219.105(b)(1)(B) and the recordkeeping and reporting requirements specified in Section 219.211(f). Testing to demonstrate compliance must be performed in accordance with the topcoat protocol and a detailed testing proposal approved by the Agency and USEPA specifying the method of demonstrating		

compliance with the protocol. Section 219.205 does not apply to the primer surfacer limitation.

C) Topcoat operations

kg VOM/l	lb VOM/gal
coating	coating
solids	solids
deposited	deposited

- | | | | |
|-----|--|------|--------|
| i) | VOM content limitation | 1.44 | (12.0) |
| ii) | Compliance with the limitation in subsection (a)(2)(C)(i) must be based on the daily-weighted average from an entire topcoat operation. Compliance must be demonstrated in accordance with the topcoat protocol referenced in Section 219.105(b)(1)(B) and the recordkeeping and reporting requirements specified in Section 219.211(f). Testing to demonstrate compliance must be performed in accordance with the topcoat protocol and a detailed testing proposal approved by the Agency and USEPA specifying the method of demonstrating compliance with the protocol. Section 219.205 does not apply to the topcoat limitation. | | |

D) Combined primer surfacer and topcoat operations

kg VOM/l	lb VOM/gal
coating	coating
solids	solids
deposited	deposited

- | | | | |
|-----|---|------|--------|
| i) | VOM content limitation | 1.44 | (12.0) |
| ii) | Compliance with the limitation in subsection (a)(2)(D)(i) must be based on the daily-weighted average from the combined primer surfacer and topcoat operations. Compliance must be demonstrated in accordance with the topcoat protocol referenced in Section 219.105(b)(1)(B) and the recordkeeping and reporting requirements specified in Section 219.211(f). Testing to demonstrate compliance must be performed in accordance with the topcoat protocol and a detailed testing proposal approved by the Agency and USEPA specifying the method of demonstrating compliance with the protocol. Section 219.205 does not apply to the combined primer surfacer and topcoat limitation. | | |

E) Final repair coat operations

		kg/l coatings	lb/gal coatings
i)	VOM content limitation	0.58	(4.8)
ii)	Compliance with the final repair operations limitation in subsection (a)(2)(E)(i) must be on an occurrence-weighted average basis, calculated in accordance with the equation below, in which clear coatings must have a weighting factor of 2 and all other coatings must have a weighting factor of 1. For purposes of this subsection (a)(2)(E)(ii), an "occurrence" is the application of the combination of coatings that constitute a final repair coat for a single automobile or light-duty truck. Section 219.205 does not apply to the final repair coat limitation.		

$$VOM_{tot} = \frac{2VOM_{cc} + \sum_{i=1}^n VOM_i}{n + 2}$$

where:

VOM_{tot} = Total VOM content of all coatings, as applied, on an occurrence weighted average basis, and used to determine compliance with this subsection (a)(2)(E).

i = Subscript denoting a specific coating applied.

n = Total number of coatings applied in the final repair operation, other than clear coatings.

VOM_{cc} = The VOM content, as applied, of the clear coat used in the final repair operation.

VOM_i = The VOM content of each coating used in the final repair operation, as applied, other than clear coatings.

F) Miscellaneous Materials. For reactive adhesives subject to this subsection (a)(2)(F), compliance must be demonstrated in accordance with the methods and procedures set forth in appendix A to Subpart PPPP of 40 CFR 63, incorporated by reference in Section 219.112.

		kg/l	lb/gal
i)	Glass bonding primer	0.90	(7.51)

	ii)	Adhesive	0.25	2.09)
	iii)	Cavity wax	0.65	(5.42)
	iv)	Trunk sealer	0.65	(5.42)
	v)	Deadener	0.65	(5.42)
	vi)	Gasket/gasket sealing material	0.20	(1.67)
	vii)	Underbody coating	0.65	(5.42)
	viii)	Trunk interior coating	0.65	(5.42)
	ix)	Bedliner	0.20	(1.67)
	x)	Weatherstrip adhesive	0.75	(6.26)
	xi)	Lubricating wax/compound	0.70	(5.84)
b)	Can Coating		kg/l	lb/gal
	1)	Sheet basecoat and overvarnish		
		A) Sheet basecoat	0.34	(2.8)
			0.26*	(2.2)*
		B) Overvarnish	0.34	(2.8)
			0.34	(2.8)*
	2)	Exterior basecoat and overvarnish	0.34	(2.8)
			0.25*	(2.1)*
	3)	Interior body spray coat		
		A) Two piece	0.51	(4.2)
			0.44*	(3.7)*
		B) Three piece	0.51	(4.2)
			0.51*	(4.2)*
	4)	Exterior end coat	0.51	(4.2)
			0.51*	(4.2)*

5)	Side seam spray coat	0.66	(5.5)
		0.66*	(5.5)*
6)	End sealing compound coat	0.44	(3.7)
		0.44*	(3.7)*
c)	Paper Coating	kg/l	lb/gal
1)	Prior to May 1, 2011:	0.28	(2.3)
2)	On and after May 1, 2011:	kg VOM/kg (lb VOM/lb) solids applied	kg VOM/kg (lb VOM/lb) coatings applied
	A) Pressure sensitive tape and label surface coatings	0.20	(0.067)
	B) All other paper coatings	0.40	(0.08)
3)	The paper coating limitation in this subsection (c) does not apply to any owner or operator of any paper coating line on which flexographic, rotogravure, lithographic, or letterpress printing is performed if the paper coating line complies with the applicable emissions limitations in Subpart H. In addition, screen printing on paper is not regulated as paper coating, but is regulated under Subpart TT. On and after May 1, 2011, the paper coating limitation also does not apply to coating performed on or in-line with any digital printing press, or to size presses and on-machine coaters on papermaking machines applying sizing or water-based clays.		
d)	Coil Coating	kg/l 0.31 0.20*	lb/gal (2.6) (1.7)*
e)	Fabric Coating	0.35 0.28*	(2.9) (2.3)*
f)	Vinyl Coating	0.45 0.28*	(3.8) (2.3)*
g)	Metal Furniture Coating		
1)	Prior to May 1, 2011:	kg/l	lb/gal
	A) Air dried	0.34	(2.8)

	B)	Baked	0.28	(2.3)
2)	On and after May 1, 2011:		kg/l	kg/l
		solids	(lb/gal)	(lb/gal)
			applied	
	A)	General, One Component	0.275	0.40
			(2.3)	(3.3)
	B)	General, Multi-Component		
		i) Air dried	0.340	0.55
			(2.8)	(4.5)
		ii) Baked	0.360	0.61
			(3.0)	(5.1)
	C)	Extreme High Gloss		
		i) Air dried	0.340	0.55
			(2.8)	(4.5)
		ii) Baked	0.360	0.61
			(3.0)	(5.1)
	D)	Extreme Performance		
		i) Air dried	0.420	0.80
			(3.5)	(6.7)
		ii) Baked	0.360	0.61
			(3.0)	(5.1)
	E)	Heat Resistant		
		i) Air dried	0.420	0.80
			(3.5)	(6.7)
		ii) Baked	0.360	0.61
			(3.0)	(5.1)
	F)	Metallic	0.420	0.80
			(3.5)	(6.7)
	G)	Pretreatment Coatings	0.420	0.80
			(3.5)	(6.7)

H) Solar Absorbent

i)	Air dried	0.420 (3.5)	0.80 (6.7)
ii)	Baked	0.360 (3.0)	0.61 (5.1)

- 3) On and after May 1, 2011, the limitations in this subsection (g) do not apply to stencil coatings, safety-indicating coatings, solid-film lubricants, electric-insulating and thermal-conducting coatings, touch-up and repair coatings, or coating applications utilizing hand-held aerosol cans.

h) Large Appliance Coating

1)	Prior to May 1, 2011:	kg/l	lb/gal
A)	Air dried	0.34	(2.8)
B)	Baked	0.28	(2.3)
2)	On and after May 1, 2011:	kg/l (lb/gal)	kg/l (lb/gal) solids applied
A)	General, One Component	0.275 (2.3)	0.40 (3.3)
B)	General, Multi-Component		
i)	Air dried	0.340 (2.8)	0.55 (4.5)
ii)	Baked	0.275 (2.3)	0.40 (3.3)
C)	Extreme High Gloss		
i)	Air dried	0.340 (2.8)	0.55 (4.5)
ii)	Baked	0.360 (3.0)	0.61 (5.1)
D)	Extreme Performance		

	i)	Air dried	0.420 (3.5)	0.80 (6.7)
	ii)	Baked	0.360 (3.0)	0.61 (5.1)
E)		Heat Resistant		
	i)	Air dried	0.420 (3.5)	0.80 (6.7)
	ii)	Baked	0.360 (3.0)	0.61 (5.1)
F)		Metallic	0.420 (3.5)	0.80 (6.7)
G)		Pretreatment Coatings	0.420 (3.5)	0.80 (6.7)
H)		Solar Absorbent		
	i)	Air dried	0.420 (3.5)	0.80 (6.7)
	ii)	Baked	0.360	0.61
3)	The limitations in this subsection (h) do not apply to the use of quick-drying lacquers for repair of scratches and nicks that occur during assembly, provided that the volume of coating does not exceed 0.95 l (1 quart) in any one rolling eight-hour period. On and after May 1, 2011, these limitations also do not apply to stencil coatings, safety-indicating coatings, solid-film lubricants, electric-insulating and thermal-conducting coatings, touch-up and repair coatings, or coating applications utilizing hand-held aerosol cans.			
i)	Magnet Wire Coating		kg/l 0.20 0.20*	lb/gal (1.7) (1.7)*
j)	Prior to May 1, 2012: Miscellaneous Metal Parts and Products Coating			
	1)	Clear coating	0.52 0.52*	(4.3) (4.3)*

- | | | | |
|----|---|---------------|-----------------|
| 2) | Extreme performance coating | | |
| | A) Air dried | 0.42
0.42* | (3.5)
(3.5)* |
| | B) Baked | 0.42
0.40* | (3.5)
(3.3)* |
| 3) | Steel pail and drum interior coating | 0.52
0.52* | (4.3)
(4.3)* |
| 4) | All other coatings | | |
| | A) Air dried | 0.42
0.40* | (3.5)
(3.3)* |
| | B) Baked | 0.36
0.34* | (3.0)
(2.8)* |
| 5) | Metallic Coating | | |
| | A) Air dried | 0.42
0.42* | (3.5)
(3.5)* |
| | B) Baked | 0.36
0.36 | (3.0)
(3.0)* |
| 6) | For purposes of subsection (j)(5), "metallic coating" means a coating which contains more than ¼ lb/gal of metal particles, as applied. | | |

BOARD NOTE: On and after May 1, 2012, the limitations in Section 219.204(q) apply to this category of coating.

- | | | | |
|----|---|---------------|-----------------|
| k) | Heavy Off-Highway Vehicle Products Coating | kg/l | lb/gal |
| 1) | Extreme performance prime coat | 0.42
0.42* | (3.5)
(3.5)* |
| 2) | Extreme performance topcoat (air dried) | 0.42
0.42* | (3.5)
(3.5)* |
| 3) | Final repair coat (air dried) | 0.42
0.42* | (3.5)
(3.5)* |
| 4) | All other coatings are subject to the emission limitations for miscellaneous metal parts and products coatings in subsection (j). | | |

1) Wood Furniture Coating

1)	Limitations before March 15, 1998:	kg/l	lb/gal
A)	Clear topcoat	0.67	(5.6)
B)	Opaque stain	0.56	(4.7)
C)	Pigmented coat	0.60	(5.0)
D)	Repair coat	0.67	(5.6)
E)	Sealer	0.67	(5.6)
F)	Semi-transparent stain	0.79	(6.6)
G)	Wash coat	0.73	(6.1)

BOARD NOTE: Prior to March 15, 1998, an owner or operator of a wood furniture coating operation subject to this Section must apply all coatings, with the exception of no more than 37.8 l (10 gal) of coating per day used for touch-up and repair operations, using one or more of the following application systems: airless spray application system, air-assisted airless spray application system, electrostatic spray application system, electrostatic bell or disc spray application system, heated airless spray application system, roller coating, brush or wipe coating application system, dip coating application system or high volume low pressure (HVLP) application system.)

- 2) On and after March 15, 1998, wood furniture sealers and topcoats must comply with one of the limitations specified in subsections (1)(2)(A) through (E):

		kg VOM/kg solids	lb VOM/lb solids
A)	Topcoat	0.8	(0.8)
B)	Sealers and topcoats with the following limits:		
i)	Sealer other than acid-cured alkyd amino vinyl sealer	1.9	(1.9)

- | | | | |
|------|--|-----|-------|
| ii) | Topcoat other than acid-cured alkyd amino conversion varnish topcoat | 1.8 | (1.8) |
| iii) | Acid-cured alkyd amino vinyl sealer | 2.3 | (2.3) |
| iv) | Acid-cured alkyd amino conversion varnish topcoat | 2.0 | (2.0) |
- C) Meet the provisions of Section 219.215 for use of an averaging approach;
- D) Achieve a reduction in emissions equivalent to the requirements of subsection (1)(2)(A) or (B), as calculated using Section 219.216; or
- E) Use a combination of the methods specified in subsections (1)(2)(A) through (D).
- 3) Other wood furniture coating limitations on and after March 15, 1998:
- | | kg/l | lb/gal |
|-------------------------------|------|--------|
| A) Opaque stain | 0.56 | (4.7) |
| B) Non-topcoat pigmented coat | 0.60 | (5.0) |
| C) Repair coat | 0.67 | (5.6) |
| D) Semi-transparent stain | 0.79 | (6.6) |
| E) Wash coat | 0.73 | (6.1) |
- 4) Other wood furniture coating requirements on and after March 15, 1998:
- A) A source subject to the limitations of subsection (1), (2) or (3) and utilizing one or more wood furniture coating spray booths must not use strippable spray booth coatings containing more than 0.8 kg VOM/kg solids (0.8 lb VOM/lb solids), as applied.
- B) Any source subject to the limitations of subsection (1), (2) or (3) must comply with Section 219.217.
- C) Any source subject to the limitations of subsection (1)(2)(A) or (B) and utilizing one or more continuous coaters, must for each

continuous coater, use an initial coating which complies with the limitations of subsection (1)(2)(A) or (B). The viscosity of the coating in each reservoir must always be greater than or equal to the viscosity of the initial coating in the reservoir. The owner or operator must:

- i) Monitor the viscosity of the coating in the reservoir with a viscosity meter or by testing the viscosity of the initial coating and retesting the coating in the reservoir each time solvent is added;
- ii) Collect and record the reservoir viscosity and the amount and weight of VOM per weight of solids of coating and solvent each time coating or solvent is added; and
- iii) Maintain these records at the source for a period of three years.

m) Prior to May 1, 2012: Plastic Parts Coating: kg/l lb/gal
Automotive/Transportation

1) Interiors

A) Baked

- i) Color coat 0.49* (4.1)*
- ii) Primer 0.46* (3.8)*

B) Air dried

- i) Color coat 0.38* (3.2)*
- ii) Primer 0.42* (3.5)*

2) Exteriors (flexible and non-flexible)

A) Baked

- i) Primer 0.60* (5.0)*
- ii) Primer non-flexible 0.54* (4.5)*
- iii) Clear coat 0.52* (4.3)*
- iv) Color coat 0.55* (4.6)*

B)	Air dried		
i)	Primer	0.66*	(5.5)*
ii)	Clear coat	0.54*	(4.5)*
iii)	Color coat (red & black)	0.67*	(5.6)*
iv)	Color coat (others)	0.61*	(5.1)*
3)	Specialty		
A)	Vacuum metallizing basecoats, texture basecoats	0.66*	(5.5)*
B)	Black coatings, reflective argent coatings, air bag cover coatings, and soft coatings	0.71*	(5.9)*
C)	Gloss reducers, vacuum metallizing topcoats, and texture topcoats	0.77*	(6.4)*
D)	Stencil coatings, adhesion primers, ink pad coatings, electrostatic prep coatings, and resist coatings	0.82*	(6.8)*
E)	Head lamp lens coatings	0.89*	(7.4)*

BOARD NOTE: On and after May 1, 2012, the limitations in Section 219.204(q) apply to this category of coating.

n)	Prior to May 1, 2012: Plastic Parts Coating: Business Machine	kg/l	lb/gal
1)	Primer	0.14*	(1.2)*
2)	Color coat (non-texture coat)	0.28*	(2.3)*
3)	Color coat (texture coat)	0.28*	(2.3)*
4)	Electromagnetic interference/radio frequency interference (EMI/RFI) shielding coatings	0.48*	(4.0)*
5)	Specialty Coatings		

A)	Soft coat	0.52*	(4.3)*
B)	Plating resist	0.71*	(5.9)*
C)	Plating sensitizer	0.85*	(7.1)*

BOARD NOTE: On and after May 1, 2012, the limitations in Section 219.204(q) apply to this category of coating.

o) Flat Wood Paneling Coatings. On and after August 1, 2010, flat wood paneling coatings must comply with one of the following limitations:

- 1) 0.25 kg VOM/l of coatings (2.1 lb VOM/gal coatings); or
- 2) 0.35 kg VOM/l solids (2.9 lb VOM/gal solids).

BOARD NOTE: The Board has omitted subsection (p) and adopted a subsection (q) in order to preserve consistent labeling with similar requirements in 35 Ill. Adm. Code 218.

q) Miscellaneous Metal Parts and Products Coatings and Plastic Parts and Products Coatings On and After May 1, 2012. On and after May 1, 2012, the owner or operator of a miscellaneous metal or plastic parts coating line must comply with the limitations in subsection (q). The limitations in subsection (q) do not apply to aerosol coating products, powder coatings, or primer sealants and ejection cartridge sealants used in ammunition manufacturing. Primer sealants and ejection cartridge sealants are regulated under Subpart TT.

- 1) Metal Parts and Products. For purposes of this subsection (q)(1), "corrosion resistant basecoat" means a water-borne epoxy coating applied via an electrodeposition process to a metal surface prior to spray coating, for the purpose of enhancing corrosion resistance. The limitations in subsection (q)(1) do not apply to stencil coats, safety-indicating coatings, solid-film lubricants, electric-insulating and thermal-conducting coatings, magnetic data storage disk coatings, and plastic extruded onto metal parts to form a coating. The limitations in Section 219.219 apply to these coatings unless specifically excluded.

		kg VOM/l coating solids applied	lb VOM/gal coating solids applied
A)	General one component coating		
	i) Air dried	0.34	0.54

		(2.8)	(4.52)
	ii) Baked	0.28 (2.3)	0.40 (3.35)
B)	General multi-component coating		
	i) Air dried	0.34 (2.8)	0.54 (4.52)
	ii) Baked	0.28 (2.3)	0.40 (3.35)
C)	Camouflage coating	0.42 (3.5)	0.80 (6.67)
D)	Electric-insulating varnish	0.42 (3.5)	0.80 (6.67)
E)	Etching filler	0.42 (3.5)	0.80 (6.67)
F)	Extreme high-gloss coating		
	i) Air dried	0.42 (3.5)	0.80 (6.67)
	ii) Baked	0.36 (3.0)	0.61 (5.06)
G)	Extreme performance coating		
	i) Air dried	0.42 (3.5)	0.80 (6.67)
	ii) Baked	0.36 (3.0)	0.61 (5.06)
H)	Heat-resistant coating		
	i) Air dried	0.42 (3.5)	0.80 (6.67)
	ii) Baked	0.36 (3.0)	0.61 (5.06)

I)	High performance architectural Coating	0.42 (3.5)	0.80 (6.67)
J)	High temperature coating	0.42 (3.5)	0.80 (6.67)
K)	Metallic coating		
	i) Air dried	0.42 (3.5)	0.80 (6.67)
	ii) Baked	0.36 (3.0)	0.61 (5.06)
L)	Military specification coating		
	i) Air dried	0.34 (2.8)	0.54 (4.52)
	ii) Baked	0.28 (2.3)	0.40 (3.35)
M)	Mold-seal coating	0.42 (3.5)	0.80 (6.67)
N)	Pan backing coating	0.42 (3.5)	0.80 (6.67)
O)	Prefabricated architectural coating: multi-component		
	i) Air dried	0.42 (3.5)	0.80 (6.67)
	ii) Baked	0.28 (2.3)	0.40 (3.35)
P)	Prefabricated architectural coating: one-component		
	i) Air dried	0.42 (3.5)	0.80 (6.67)
	ii) Baked	0.28 (2.3)	0.40 (3.35)

Q)	Pretreatment coating	0.42 (3.5)	0.80 (6.67)
R)	Repair coats and touch-up coatings		
	i) Air dried	0.42 (3.5)	
	ii) Baked	0.36 (3.01)	
S)	Silicone release coating	0.42 (3.5)	0.80 (6.67)
T)	Solar-absorbent coating		
	i) Air dried	0.42 (3.5)	0.80 (6.67)
	ii) Baked	0.36 (3.0)	0.61 (5.06)
U)	Vacuum-metalizing coating	0.42 (3.5)	0.80 (6.67)
V)	Drum coating, new, exterior	0.34 (2.8)	0.54 (4.52)
W)	Drum coating, new, interior	0.42 (3.5)	0.80 (6.67)
X)	Drum coating, reconditioned, exterior	0.42 (3.5)	0.80 (6.67)
Y)	Drum coating, reconditioned, interior	0.50 (4.2)	1.17 (9.78)
Z)	Ammunition sealants		
	i) Air dried	0.42 (3.5)	0.80 (6.67)
	ii) Baked	0.36 (3.0)	0.61 (5.06)
AA)	Electrical switchgear compartment		

coatings

i)	Air dried	0.42 (3.5)	0.80 (6.67)
----	-----------	---------------	----------------

ii)	Baked	0.36 (3.0)	0.61 (5.06)
-----	-------	---------------	----------------

BB) All other coatings

i)	Air dried	0.40 (3.3)	0.73 (5.98)
----	-----------	---------------	----------------

ii)	Baked: primer/topcoat	0.34 (2.8)	0.54 (4.52)
-----	-----------------------	---------------	----------------

- 2) Plastic Parts and Products: Miscellaneous. For purposes of this subsection (q)(2), miscellaneous plastic parts and products are plastic parts and products that are not subject to subsection (q)(3), (q)(4), (q)(5), or (q)(6). The limitations in subsection (q)(2) do not apply to touch-up and repair coatings; stencil coats applied on clear or transparent substrates; clear or translucent coatings; coatings applied at a paint manufacturing facility while conducting performance tests on the coatings; any individual coating category used in volumes less than 189.2 liters (50 gallons) in any one calendar year, if the total usage of all such coatings does not exceed 756.9 liters (200 gallons) per calendar year per source and substitute compliant coatings are not available; reflective coatings applied to highway cones; mask coatings that are less than 0.5 mm thick (dried) if the area coated is less than 25 square inches; electromagnetic interference/radio frequency interference (EMI/RFI) shielding coatings; and heparin-benzalkonium chloride (HBAC)-containing coatings applied to medical devices if the total usage of all such coatings does not exceed 378.4 liters (100 gallons) per calendar year per source. The limitations in Section 219.219 apply to these coatings unless specifically excluded.

		kg/l (lb/gal) coatings	kg/l (lb/gal) solids
A)	General one component coating	0.28 (2.3)	0.40 (3.35)
B)	General multi-component	0.42 (3.5)	0.80 (6.67)
C)	Electric dissipating coatings	0.80	8.96

	and shock-free coatings	(6.7)	(74.7)
D)	Extreme performance (2-pack coatings)	0.42 (3.5)	0.80 (6.67)
E)	Metallic coating	0.42 (3.5)	0.80 (6.67)
F)	Military specification coating		
	i) 1-pack coatings	0.28 (2.3)	0.54 (4.52)
	ii) 2-pack coatings	0.42 (3.5)	0.80 (6.67)
G)	Mold-seal coating	0.76 (6.3)	5.24 (43.7)
H)	Multi-colored coating	0.68 (5.7)	3.04 (25.3)
I)	Optical coating	0.80 (6.7)	8.96 (74.7)
J)	Vacuum-metalizing coating	0.80 (6.7)	8.96 (74.7)
3)	Plastic Parts and Products Automotive/Transportation		
		kg/l (lb/gal) coatings	kg/l (lb/gal) solids
A)	High bake coatings – interior and exterior parts		
	i) Flexible primer	0.54 (4.5)	1.39 (11.58)
	ii) Non-flexible primer	0.42 (3.5)	0.80 (6.67)
	iii) Basecoats	0.52 (4.3)	1.24 (10.34)

iv)	Clear coat	0.48 (4.0)	1.05 (8.76)
v)	Non-basecoat/clear coat	0.52 (4.3)	1.24 (10.34)
B)	Low bake/air dried coatings – exterior parts		
i)	Primers	0.58 (4.8)	1.66 (13.80)
ii)	Basecoat	0.60 (5.0)	1.87 (15.59)
iii)	Clear coats	0.54 (4.5)	1.39 (11.58)
iv)	Non-basecoat/clear coat	0.60 (5.0)	1.87 (15.59)
C)	Low bake/air dried coatings – interior parts		
i)	Color coat	0.38 (3.2)	0.67 (5.66)
ii)	Primer	0.42 (3.5)	0.80 (6.67)
D)	Touchup and repair coatings	0.62 (5.2)	2.13 (17.72)
E)	Specialty		
i)	Vacuum metallizing basecoats	0.66 (5.5)	2.62 (21.8)
ii)	Vacuum metallizing topcoats	0.77 (6.4)	6.06 (49.1)
F)	Red, yellow, and black coatings: Subject coating lines must comply with a limit determined by multiplying the appropriate limit in subsections (q)(3)(A) through (q)(3)(C) by 1.15.		

- 4) Plastic Parts and Products: Business Machine. The limitations of this subsection (q)(4) do not apply to vacuum metallizing coatings, gloss reducers, texture topcoats, adhesion primers, electrostatic preparation coatings, stencil coats, and resist coats other than plating resist coats. The limitations in Section 219.219 apply to these coatings unless specifically excluded.

		kg/l (lb/gal) coatings	kg/l (lb/gal) solids
A)	Primers	0.35 (2.9)	0.57 (4.80)
B)	Topcoat	0.35 (2.9)	0.57 (4.80)
C)	Color coat (texture coat)	0.28 (2.3)	0.40 (4.80)
D)	Color coat (non-texture coat)	0.28 (2.3)	0.40 (4.80)
E)	Texture coats other than color texture coats	0.35 (2.9)	0.57 (4.80)
F)	EMI/RFI shielding coatings	0.48 (4.0)	1.05 (8.76)
G)	Fog coat	0.26 (2.2)	0.38 (3.14)
H)	Touchup and repair	0.35 (2.9)	0.57 (4.80)

- 5) Pleasure Craft Surface Coatings

		kg/l (lb/gal) coatings	kg/l (lb/gal) solids
A)	Extreme high gloss coating – topcoat	0.60 (5.0)	1.88 (15.6)
B)	High gloss coating – topcoat	0.42	0.80

		(3.5)	(6.7)
C)	Pretreatment wash primer	0.78 (6.5)	6.67 (55.6)
D)	Finish primer surfacer		
	Prior to January 1, 2014	0.60 (5.0)	1.88 (15.6)
	On and after January 1, 2014	0.42 (3.5)	0.80 (6.7)
E)	High build primer/surfacer	0.34 (2.8)	0.55 (4.6)
F)	Aluminum substrate antifoulant coating	0.56 (4.7)	1.53 (12.8)
G)	Other substrate antifoulant coating	0.40 (3.3)	0.73 (5.8)
H)	Antifouling Sealer/Tie Coat	0.42 (3.5)	0.80 (6.7)
I)	All other pleasure craft surface coating for metal or plastic	0.42 (3.5)	0.80 (6.7)
6)	Motor Vehicle Materials		
		kg/l (lb/gal) coatings	
A)	Cavity wax	0.65 (5.42)	
B)	Sealer	0.65 (5.42)	
C)	Deadener	0.65 (5.42)	
D)	Gasket/gasket sealing material	0.20 (1.67)	

E)	Underbody coating	0.65 (5.42)
F)	Trunk interior coating	0.65 (5.42)
G)	Bedliner	0.20 (1.67)
H)	Lubricating wax/compound	0.70 (5.84)

- r) Aerospace Facilities. On and after July 1, 2021, the owner or operator of an aerospace facility must comply with the coating limitations in this subsection (r). The limitations in this subsection (r) do not apply to the following activities in which coating of aerospace components and vehicles may take place: research and development, quality control, laboratory testing, and electronic parts and assemblies (except for coating of completed assemblies). The limitations in this subsection (r) also do not apply to aerospace facility operations involving space vehicles or rework operations performed on antique aerospace vehicles or components. The coating limitations in subsections (r)(1) and subsection (r)(2) do not apply to ~~aerosol coatings, Department of Defense classified coatings, or the use of separate formulations of primers, topcoats, and chemical milling maskants, or the use of separate formulations of aerospace~~ specialty coatings, in volumes of less than 50 gallons per year, subject to a maximum exemption of 200 gallons for all such formulations applied annually. The coating limitations in subsection (r)(2) do not apply to aerosol coatings or Department of Defense classified coatings.

1) VOM Content Limitations for Primers, Topcoats, and Chemical Milling Maskants

		kg/l	lb/gal
A)	Aerospace primer	0.350	(2.9)
B)	Primer for general aviation rework facility	0.540	(4.5)
C)	Exterior primer for large commercial aircraft (components or fully assembled)	0.650	(5.4)
D)	Topcoat	0.420	(3.5)
E)	Topcoat for general aviation		

	rework facility	0.540	(4.5)
F)	Self-priming topcoat for aerospace applications	0.420	(3.5)
G)	Self-priming topcoat for general aviation rework facility	0.540	(4.5)
H)	Chemical milling maskant, type I	0.622	(5.2)
I)	Chemical milling maskant, type II	0.160	(1.3)
2)	VOM Content Limitations for Aerospace Specialty Coatings		
		kg/l	lb/gal
A)	Ablative coating	0.600	(5.0)
B)	Adhesion promoter for aerospace applications	0.890	(7.4)
C)	Adhesive bonding primer cured above 250 °F	1.030	(8.6)
D)	Adhesive bonding primer cured at or below 250 °F	0.850	(7.1)
E)	Aerospace flexible primer	0.640	(5.3)
F)	Aerospace pretreatment coating	0.780	(6.5)
G)	Antichafe coating	0.660	(5.5)
H)	Bearing coating	0.620	(5.2)
I)	Bonding maskant	1.230	(10.3)
J)	Caulking and smoothing compounds	0.850	(7.1)
K)	Chemical agent-resistant coating	0.550	(4.6)
L)	Clear coating for aerospace applications	0.720	(6.0)
M)	Commercial exterior aerodynamic		

	structure primer	0.650	(5.4)
N)	Commercial interior adhesive	0.760	(6.3)
O)	Compatible substrate primer	0.780	(6.5)
P)	Corrosion prevention system	0.710	(5.9)
Q)	Critical use and line sealer maskant	1.020	(8.5)
R)	Cryogenic flexible primer	0.645	(5.4)
S)	Cryoprotective coating	0.600	(5.0)
T)	Cyanoacrylate adhesive	1.020	(8.5)
U)	Dry lubricative material for aerospace applications	0.880	(7.3)
V)	Electrostatic discharge and electromagnetic interference coating	0.800	(6.7)
W)	Elevated temperature Skydrol- resistant commercial primer	0.740	(6.2)
X)	Epoxy-polyamide topcoat	0.660	(5.5)
Y)	Extrudable, rollable, or brushable sealant for aerospace applications	0.280	(2.3)
Z)	Fire-resistant interior coating	0.800	(6.7)
AA)	Flight test coatings: missile or single use aircraft	0.420	(3.5)
BB)	Flight test coatings: all other	0.840	(7.0)
CC)	Fuel tank adhesive for aerospace applications	0.620	(5.2)
DD)	Fuel tank coating for aerospace applications	0.720	(6.0)
EE)	High temperature coating	0.850	(7.1)

FF)	Insulation covering	0.740	(6.2)
GG)	Intermediate release coating	0.750	(6.3)
HH)	Lacquer	0.830	(6.9)
II)	Metallized epoxy coating	0.740	(6.2)
JJ)	Mold release coating for aerospace applications	0.780	(6.5)
KK)	Nonstructural adhesive for aerospace applications	0.360	(3.0)
LL)	Optical anti-reflective coating	0.750	(6.3)
MM)	Part marking aerospace coating	0.850	(7.1)
NN)	Radiation-effect or electric coating	0.800	(6.7)
OO)	Rain erosion-resistant coating	0.850	(7.1)
PP)	Rocket motor bonding adhesive	0.890	(7.4)
QQ)	Rocket motor nozzle coating	0.660	(5.5)
RR)	Rubber-based adhesive	0.850	(7.1)
SS)	Scale inhibitor	0.880	(7.3)
TT)	Screen print ink for aerospace applications	0.840	(7.0)
UU)	Seal coat maskant	1.230	(10.3)
VV)	Sprayable sealant for aerospace applications	0.600	(5.0)
WW)	Silicone insulation material	0.850	(7.1)
XX)	Solid film lubricant	0.880	(7.3)
YY)	Specialized function coating	0.890	(7.4)

ZZ)	Structural autoclavable adhesive for aerospace applications	0.060	(0.5)
AAA)	Structural nonautoclavable adhesive for aerospace applications	0.850	(7.1)
BBB)	Temporary protective coating for aerospace applications	0.320	(2.7)
CCC)	Thermal control coating for aerospace applications	0.800	(6.7)
DDD)	Wet fastener installation coating	0.675	(5.6)
EEE)	Wing coating	0.850	(7.1)

(Source: Amended at 49 Ill. Reg. _____, effective _____)