**Section 218.APPENDIX H Baseline VOM Content Limitations for Subpart F, Section 218.212 Cross-Line Averaging**

This Appendix contains limitations for purposes of determining compliance with the requirements in Section 218.212 of this Part. A source must establish that, at very least, each participating coating line used for purposes of cross-line averaging meets the Federal Implementation Plan level of VOM content, as listed below. The emission limitations for participating coating lines that must not be exceeded are as follows:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| a) | Automobile or Light-Duty Truck Coating | | kg/l | lb/gal |
|  | 1) | Prime coat | 0.14 | (1.2) |
|  | 2) | Primer surface coat | 1.81 | (15.1) |

(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 shall be based on the daily-weighted average from an entire primer surface operation. Compliance shall be demonstrated in accordance with the topcoat protocol referenced in Section 218.105(b) and the recordkeeping and reporting requirements specified in Section 218.211(f). Testing to demonstrate compliance shall 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 218.205 does not apply to the primer surface limitation.)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | kg/l | lb/gal |
|  | 3) | Topcoat | 1.81 | (15.1) |

(Note: The topcoat limitation is in units of kg (lbs) of VOM per l (gal) of coating solids deposited. Compliance with the limitation shall be based on the daily-weighted average from an entire topcoat operation. Compliance shall be demonstrated in accordance with the topcoat protocol referenced in Section 218.105(b) of this Part and the recordkeeping and reporting requirements specified in Section 218.211(f). Testing to demonstrate compliance shall 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 218.205 of this Part does not apply to the topcoat limitation.)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | kg/l | lb/gal |
|  | 4) | Final repair coat | 0.58 | (4.8) |
| b) | Can Coating | | kg/l | lb/gal |
|  | 1) | Sheet basecoat and overvarnish | 0.34 | (2.8) |
|  | 2) | Exterior basecoat and overvarnish | 0.34 | (2.8) |
|  | 3) | Interior body spray coat | 0.51 | (4.2) |
|  | 4) | Exterior end coat | 0.51 | (4.2) |
|  | 5) | Side seam spray coat | 0.66 | (5.5) |
|  | 6) | End sealing compound coat | 0.44 | (3.7) |
| c) | Paper Coating | | kg/l | lb/gal |
|  |  | | 0.35 | (2.9) |

(Note: The paper coating limitation shall not apply to any owner or operator of any paper coating line on which flexographic or rotogravure printing is performed if the paper coating line complies with the emissions limitations in Section 218.401 of this Part. In addition, screen printing on paper is not regulated as paper coating, but is regulated under Subpart TT of this Part.)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | kg/l | lb/gal |
| d) | Coil Coating | | 0.31 | (2.6) |
| e) | Fabric Coating | | 0.35 | (2.9) |
| f) | Vinyl Coating | | 0.45 | (3.8) |
| g) | Metal Furniture Coating | |  |  |
|  | 1) | Air Dried | 0.36 | (3.0) |
|  | 2) | Baked | 0.36 | (3.0) |
| h) | Large Appliance Coating | |  |  |
|  | 1) | Air Dried | 0.34 | (2.8) |
|  | 2) | Baked | 0.34 | (2.8) |

(Note: The limitation shall 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.)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | | | kg/l | lb/gal |
| i) | Magnet Wire Coating | | | 0.20 | (1.7) |
| j) | Miscellaneous Metal Parts and Products Coating | | |  |  |
|  | 1) | Clear coating | | 0.52 | (4.3) |
|  | 2) | Extreme performance coating | |  |  |
|  |  | A) | Air Dried | 0.42 | (3.5) |
|  |  | B) | Baked | 0.42 | (3.5) |
|  | 3) | Steel pail and drum interior coating | | 0.52 | (4.3) |
|  | 4) | All other coatings | |  |  |
|  |  | A) | Air Dried | 0.42 | (3.5) |
|  |  | B) | Baked | 0.36 | (3.0) |
| k) | Heavy Off-Highway Vehicle Products Coating | | | kg/l | lb/gal |
|  | 1) | Extreme performance prime coat | | 0.42 | (3.5) |
|  | 2) | Extreme performance topcoat (air dried) | | 0.42 | (3.5) |
|  | 3) | Final repair coat (air dried) | | 0.42 | (3.5) |
|  | 4) | All other coatings are subject to the emission limitations for miscellaneous metal parts and products coatings in subsection (j) above. | | | |
| l) | Wood Furniture Coating | | | kg/l | lb/gal |
|  | 1) | Clear topcoat | | 0.67 | (5.6) |
|  | 2) | Opaque stain | | 0.56 | (4.7) |
|  | 3) | Pigmented coat | | 0.60 | (5.0) |
|  | 4) | Repair coat | | 0.67 | (5.6) |
|  | 5) | Sealer | | 0.67 | (5.6) |
|  | 6) | Semi-transparent stain | | 0.79 | (6.6) |
|  | 7) | Wash coat | | 0.73 | (6.1) |

(Note: An owner or operator of a wood furniture coating operation subject to this Section shall 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.)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| m) | Existing Diesel-Electric Locomotive Coating Lines in Cook County | | kg/l | lb/gal |
|  | 1) | Extreme performance prime coat | 0.42 | (3.5) |
|  | 2) | Extreme performance topcoat | 0.42 | (3.5) |
|  | 3) | Final repair coat (air dried) | 0.42 | (3.5) |
|  | 4) | High temperature aluminum coating | 0.72 | (6.0) |
|  | 5) | All other coatings | 0.36 | (3.0) |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| n) | Plastic Parts Coating: Automotive/Transportation | | | | kg/l | lb/gal |
|  | 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 nonflexible | 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) |
| o) | 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 (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)\* |

(Source: Amended at 31 Ill. Reg. 7086, effective April 30, 2007)