

3745-113-03 **Standards for architectural and industrial maintenance (AIM) coatings.**

(A) VOC content limits.

Except as provided in paragraphs (B) and (C) of this rule, on or after January 1, 2009, no person shall:

- (1) Manufacture, blend, or repackage for sale within the state of Ohio;
- (2) Supply, sell or offer for sale within the state of Ohio; or
- (3) Solicit for application or apply within the state of Ohio, any AIM coating with a VOC content in excess of the corresponding limit specified in the table of this paragraph.

Limits are expressed in grams of VOC per liter of coating and pounds of VOC per gallon of coating thinned to the manufacturer's maximum recommendation, excluding the volume of any water, exempt compounds, or colorant added to tint bases.

-Table: VOC Content Limits for AIM Coatings-

Coating Type	Limit (grams/liter)	Limit (pounds/gallon)
Flat coatings	100	0.83
Non-flat coatings	150	1.25
Non-flat-high-gloss coatings	250	2.08
Specialty coatings:		
Antenna coatings	530	4.42
Anti-fouling coatings	400	3.33
Bituminous roof coatings	300	2.50
Bituminous roof primers	350	2.92
Bond breakers	350	2.92
Calcimine recoaters	475	3.96
Clear wood coatings:		
Clear brushing lacquers	680	5.67
Lacquers, including clear lacquer sanding sealers	550	4.59
Sanding sealers, excluding clear lacquers	350	2.92
Varnishes other than conversion varnishes	350	2.92

Conjugated oil varnish	450	3.75
Conversion varnishes	725	6.04
Concrete curing compounds	350	2.92
Concrete surface retarders	780	6.50
Dry fog coatings	400	3.33
Faux finishing coatings	350	2.92
Fire-resistive coatings	350	2.92
Fire-retardant coatings:		
Clear	650	5.42
Opaque	350	2.92
Floor coatings	250	2.08
Flow coatings	420	3.50
Form-release compounds	250	2.08
Graphic arts coatings (sign paints)	500	4.17
High-temperature coatings	420	3.50
Impacted immersion coatings	780	6.50
Industrial maintenance coatings	340	2.83
Low-solids coatings	120	1.00
Magnesite cement coatings	450	3.75
Mastic texture coatings	300	2.50
Metallic pigmented coatings	500	4.17
Multi-color coatings	250	2.08
Nuclear coatings	450	3.75
Pre-treatment wash primers	420	3.50
Primers, sealers, and undercoaters	200	1.67
Quick-dry enamels	250	2.08
Quick-dry primers, sealers and undercoaters	200	1.67
Recycled coatings	250	2.08
Roof coatings	250	2.08
Rust preventive coatings	400	3.33
Shellacs:		
Clear	730	6.09
Opaque	550	4.59
Specialty primers, sealers	350	2.92

and undercoaters		
Stains	250	2.08
Swimming pool coatings	340	2.83
Swimming pool repair & maintenance coatings	340	2.83
Temperature-indicator Safety coatings	550	4.59
Thermoplastic rubber coatings and mastics	550	4.59
Traffic marking coatings	150	1.25
Waterproofing sealers	250	2.08
Waterproofing concrete/masonry sealers	400	3.33
Wood preservatives	350	2.92

Conversion factor: one pound VOC per gallon (US) = 119.95 grams per liter.

(B) Most restrictive VOC limit.

If anywhere on the container of any AIM coating, or any label or sticker affixed to the container, or in any sales, advertising, or technical literature supplied by a manufacturer or anyone acting on their behalf, any representation is made that indicates that the coating meets the definition of or is recommended for use for more than one of the coating categories listed in the table of paragraph (A)(3) of this rule, then the most restrictive VOC content limit shall apply. This provision does not apply to the coating categories specified below:

- (1) Lacquer coatings (including lacquer sanding sealers);
- (2) Metallic pigmented coatings;
- (3) Shellacs;
- (4) Fire-retardant coatings;
- (5) Pretreatment wash primers;
- (6) Industrial maintenance coatings;
- (7) Low-solids coatings;
- (8) Wood preservatives;
- (9) High-temperature coatings;
- (10) Temperature-indicator safety coatings;

- (11) Antenna coatings;
- (12) Antifouling coatings;
- (13) Flow coatings;
- (14) Bituminous roof primers;
- (15) Specialty primers, sealers, and undercoaters;
- (16) Thermoplastic rubber coatings and mastics;
- (17) Calcimine recoaters;
- (18) Impacted immersion coatings; and
- (19) Nuclear coatings.

(C) Sell-through of coatings.

A coating manufactured prior to January 1, 2009, may be sold, supplied, or offered for sale until December 31, 2012. In addition, a coating manufactured before January 1, 2009 may be applied at any time, both before and after January 1, 2009, so long as the coating complied with the standards in effect at the time the coating was manufactured. This paragraph does not apply to any coating that does not display the date or date code required by paragraph (A) of rule 3745-113-04 of the Administrative Code.

(D) Painting practices.

All AIM coating containers used to apply the contents therein to a surface directly from the container by pouring, siphoning, brushing, rolling, padding, ragging, or other means, shall be closed when not in use. These AIM coatings containers include, but are not limited to, drums, buckets, cans, pails, trays, or other application containers. Containers of any VOC-containing materials used for thinning and cleanup shall also be closed when not in use.

(E) Thinning.

No person who applies or solicits the application of any AIM coating shall apply a coating that is thinned to exceed the applicable VOC limit specified in the table of paragraph (A)(3) of this rule.

(F) Rust preventive coatings.

No person shall apply or solicit the application of any rust preventive coating for industrial use, unless such a rust preventive coating complies with the industrial maintenance coating VOC limit specified in the table of paragraph (A)(3) of this rule. No person shall sell or offer for sale any rust preventative coating for application to any nonmetallic substrate, nor shall any person apply a rust preventative coating to any nonmetallic substrate.

(G) Coatings not listed in the table of paragraph (A)(3) of this rule.

For any coating that does not meet any of the definitions for the specialty coatings categories listed in the table of paragraph (A)(3) of this rule, the VOC content limit shall be determined by classifying the coating as a flat coating, non-flat coating, or non-flat-high-gloss coating as defined in paragraphs (A)(21), (A)(35) and (A)(36) of rule 3745-113-01 of the Administrative Code and the corresponding flat or non-flat coating limit shall apply.

Effective: 09/21/2007

R.C. 119.032 review dates: 09/21/2012

CERTIFIED ELECTRONICALLY
Certification

09/11/2007
Date

Promulgated Under: 119.03
Statutory Authority: 3704.03(E)
Rule Amplifies: 3704.03(E), 3704.03(A)