

1 **R307. Environmental Quality, Air Quality.**

2 **R307-346. Metal Furniture Surface Coating.**

3 **R307-346-1. Purpose.**

4 The purpose of this rule is to limit volatile organic compound
5 (VOC) emissions from metal furniture surface coating operations.
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7 **R307-346-2. Applicability.**

8 (1) R307-346 applies to the application areas, flash-off areas,
9 and ovens of metal furniture coating lines involved in prime and
10 top-coat or single coat operations, including related cleaning
11 activities, that have the potential to emit 2.7 tons per year of VOC
12 and that are located in Box Elder, Cache, Davis, Salt Lake, Tooele,
13 Utah and Weber counties.
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15 **R307-346-3. Exemptions.**

16 The requirements of R307-346 shall not apply to the following:

- 17 (1) Stencil coatings;
18 (2) Safety-indicating coatings;
19 (3) Solid-film lubricants;
20 (4) Electrical-insulating and thermal-conducting coatings;
21 (5) Touch-up and repair coatings; or
22 (6) Coating applications utilizing hand-held aerosol cans.
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24 **R307-346-4. Definitions.**

25 "Air dried coating" means coatings that are dried by the use of
26 air or a forced warm air at temperatures up to 90 degrees C (194 degrees
27 F).

28 "Application area" means the area where the coating is applied
29 by spraying, dipping, or flow coating techniques.

30 "Coating" means a protective, functional, or decorative film
31 applied in a thin layer to a surface. This term applies to paints,
32 sealants, caulks, inks, adhesives, and maskants

33 "Extreme performance coatings" means coatings designed for harsh
34 exposure or extreme environmental conditions.

35 "Metal furniture coating" means the surface coating of any
36 furniture made of metal or any metal part that will be assembled with
37 other metal, wood fabric, plastic, or glass parts to form a furniture
38 piece.
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40 **R307-346-5. Emission Standards.**

41 Each owner or operator shall not apply coatings with a VOC content
42 in excess of the amounts specified in Table 1 or shall use an add-on
43 control device as specified in R307-346-7.
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TABLE 1

METAL FURNITURE SURFACE COATING VOC LIMITS
(values in pounds of VOC per gallon of coating, minus water, as applied)

COATING CATEGORY	VOC EMISSION RATE	
	Baked	Air Dried
General, One Component	2.3	2.3
General, Multi-Component	2.3	2.8
Extreme High Gloss	3.0	2.8
Extreme Performance	3.0	3.5
Heat Resistant	3.0	3.5
Metallic	3.5	3.5
Pretreatment Coatings	3.5	3.5
Solar Absorbent	3.0	3.5

R307-346-6. Work Practices.

- (1) The owner or operator shall:
- (a) Store all VOC-containing coatings, thinners, and cleaning materials in closed containers;
 - (b) Minimize spills of VOC-containing coatings, thinners, and cleaning materials;
 - (c) Clean up spills immediately;
 - (d) Convey any coatings, thinners, and cleaning materials in closed containers or pipes;
 - (e) Close mixing vessels that contain VOC coatings and other materials except when specifically in use;
 - (f) Minimize usage of solvents during cleaning of storage, mixing, and conveying equipment; and
 - (g) Dispose of dirty cleanup solvent by recycling, reclaiming, or by incineration in an incinerator approved to process hazardous materials or by an alternate means approved by the director.
- (2) The owner or operator shall maintain records from the manufacturer that demonstrates compliance with the emission standards of R307-348-4.

R307-346-7. Optional Add-On Controls.

- (1) The owner or operator may install and maintain an incinerator, carbon adsorption, or any other add-on emission control device, provided that the emission control device will attain at least 90% efficiency performance.
- (2) The owner or operator of a control device shall provide certification from the manufacturer that the emission control system will attain required efficiency performance.
- (3) Emission control systems shall be operated and maintained

1 in accordance with the manufacturer recommendations. The owner or
2 operator shall maintain for a minimum of two years records of operating
3 and maintenance sufficient to demonstrate that the equipment is being
4 operated and maintained in accordance with the manufacturer
5 recommendations.
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7 **R307-346-8. Compliance Schedule.**

8 All sources in Davis and Salt Lake counties shall be subject
9 to this rule upon the effective date. Sources in Box Elder, Cache,
10 Utah, Tooele, and Weber counties shall be in compliance with the rule
11 by September 1, 2013.
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14 **KEY: air pollution, emission controls, surface coating, metal
15 furniture**

16 **Date of Enactment or Last Substantive Amendment: 2012**

17 **Authorizing, and Implemented or Interpreted Law: 19-2-104(1) (a)**
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