

R307. Environmental Quality, Air Quality.**R307-352. Metal Container, Closure, and Coil Coating.****R307-352-1. Purpose.**

The purpose of this rule is to reduce volatile organic compound (VOC) emissions from the coating of metal coils, cans, drums, pails, and lids.

R307-352-2. Applicability.

R307-352 applies to all coating operations, including related cleaning activities, in the manufacturing or reconditioning of metal cans, drums, pails, and lids that have the potential to emit 2.7 tons a year of VOC and that are located in Box Elder, Cache, Davis, Salt Lake, Tooele, Utah and Weber counties.

R307-352-3. Definitions.

The following additional definitions apply to R307-352:

"Coil coating" means any coating applied to metal sheets or strips which are then rolled into coils for further industrial or commercial use.

"End sealing compound" means a compound which is coated onto can ends and which functions as a gasket when the end is assembled onto the can.

"Exterior body spray" means a coating sprayed on the exterior of the container body to provide a decorative or protective finish.

"Interior body spray" means a coating sprayed on the interior of the can body to provide a protective film between the product and the can.

"Metal container or closure coating" means any coating applied to either the interior or exterior of formed metal cans, drums, pails, lids or crowns or flat metal sheets which are intended to be formed into cans, drums, pails, lids or crowns.

"Overvarnish" means a coating applied directly over a design coating to reduce the coefficient of friction, to provide gloss and to protect the finish against abrasion and corrosion.

"Three-piece can side-seam coating" means a coating sprayed on the exterior and/or interior of a welded, cemented or soldered seam to protect the exposed metal.

"Two-piece can exterior-end coating" means a coating applied to the exterior bottom end of a can to reduce the coefficient of friction and to provide protection to the metal.

"Reconditioned drums, pails or lids" means any metal container which is reused, recycled or remanufactured.

R307-352-4. Emission Standards.

Each owner or operator shall not apply coatings with a VOC content in excess of the amounts specified in Table 1 or shall use an add-on control device as specified in R307-352-6.

METAL CONTAINER AND CLOSURE COIL COATING LIMITATIONS	
(values in pounds VOC per gallon of coating, minus water, as applied)	
COATING CATEGORY	VOC EMISSION RATES
CANS	
Sheet basecoat (interior and exterior) and overvarnish	1.9
Two-piece can exterior basecoat, overvarnish, and end coating	2.1
Interior body spray	
Two-piece cans	3.5
Three-piece cans	3.0
Three-piece can side seam spray	5.5
End sealing compound: Food cans, non-food cans, and beverage cans	0.1
Exterior body spray	3.5
DRUMS, PAILS AND LIDS	
Body spray	
Reconditioned interior	4.2
Reconditioned exterior	3.5
New interior	3.5
New exterior	2.8
End sealing compound: Food drums and non-food drums	0.5
Inks, all applications	2.5
Coil Coil coating	1.7

R307-352-5. Work Practices and Recordkeeping.

- (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

1 cleaning materials;

2 (c) Clean up spills immediately;

3 (d) Convey any coatings, thinners, and cleaning materials in
4 closed containers or pipes;

5 (e) Close mixing vessels that contain VOC coatings and other
6 materials except when specifically in use;

7 (f) Minimize usage of solvents during cleaning of storage,
8 mixing, and conveying equipment; and

9 (g) Dispose of dirty cleanup solvent by recycling, reclaiming,
10 or by incineration in an incinerator approved to process hazardous
11 materials or by an alternate means approved by the director.

12 (2) The owner or operator shall maintain records from the
13 manufacturer that demonstrates compliance with the emission standards
14 of R307-348-4.

15
16 **R307-352-6. Optional Add-On Controls.**

17 (1) The owner or operator may install and maintain an
18 incinerator, carbon adsorption, or any other add-on emission control
19 device, provided that the emission control device will attain at least
20 90% efficiency performance.

21 (2) The owner or operator of a control device shall provide
22 certification from the manufacturer that the emission control system
23 will attain required efficiency performance.

24 (3) Emission control systems shall be operated and maintained
25 in accordance with the manufacturer recommendations. The owner or
26 operator shall maintain for a minimum of two years records of operating
27 and maintenance sufficient to demonstrate that the equipment is being
28 operated and maintained in accordance with the manufacturer
29 recommendations.

30
31 **R307-352-7. Compliance Schedule.**

32 All sources within Box Elder, Cache, Davis, Salt Lake, Tooele,
33 Utah and Weber counties shall be in compliance with this rule by
34 September 1, 2013.

35
36 **KEY: air pollution, emission controls, metal containers, coil,
37 coatings**

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

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

40
41
42