



# *FACT SHEET*

## R307-343 Emission Standards for Wood Furniture Manufacturing Operations

### **Overview**

The Utah Division of Air Quality, R307-343, was adopted as part of a package of rules designed to help minimize pollution along the Wasatch Front. The rule applies to wood furniture manufacturing operations in Box Elder, Cache, Davis, Salt Lake, Tooele, Utah and Weber counties. It targets operations, including cleaning activities that have the potential to emit 2.7 tons or more of Volatile Organic Compounds (VOCs) per year.

### **Requirements**

#### **Overall**

Limit VOC emissions by using:

- A compliant coating method using the topcoat or topcoat sealer combinations in Table 1; or,
- A control system method that achieves an 85% or greater emission reduction.
- Strippable spray booth coatings to contain no greater than 0.8 pounds VOC per pound solids as applied.
- Cleaning material having VOC content of 0.21 pounds per gallon or less.
- Closed containers for the storing of finishing, gluing, cleaning and wash off materials and related waste.
- Work practices that minimize spills.

Utah Division of Air Quality

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**Contact**  
(801) 536-4000

General Air Quality information, regulations, and contact information:  
<http://www.airquality.utah.gov>

This fact sheet provides general information concerning the Emission Standards for the Wood Furniture Manufacturing Operations rule. See <http://www.rules.utah.gov/publicat/cod/e/r307/r307-343.htm> for the entire rule.

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Table 1

<b>Coating Category</b>	<b>Pounds of VOC per Pounds of Solids Content Limitations</b>
Topcoats	0.4
<b>Topcoat/Sealer Combination</b>	
Topcoat	0.9
Sealer	0.9
<b>Acid-cured, Alkyd Amino Topcoat/Sealer Combination</b>	
Acid-cured, alkyd amino topcoat	1.0
Acid-cured, alkyd amino vinyl sealer	1.2

### ***Application Equipment***

- Equipment that meets a minimum 65% transfer efficiency.
  - Equipment that meets the transfer efficiency requirement include:
    - Brush, dip, or roll coating;
    - Electrostatic application, and
    - High volume, low pressure (HVLP) spray equipment.
- Methods that achieve transfer efficiency equivalent to HVLP.
- Electrostatic spray application methods.
- Conventional air spray methods, under specified circumstances. (See <http://www.rules.utah.gov/publicat/code/r307/r307-343.htm> for all circumstances.)
- All equipment must be operated according to manufacturer specifications.

### ***Add on Controls***

- At least 85% capture and control efficiency.
  - May include an incinerator, carbon adsorption, or any other add-on emission control system.
- Records maintained, for a minimum of two years, of key requirement.
  - temperature, pressure and flow rates.

### ***Record Keeping***

Maintain records, for a minimum of two years, demonstrating compliance.

