



FACT SHEET

R307-349 Flat Wood Panel Coatings

Overview

The Utah Division of Air Quality requirement, R307-349, was adopted as part of a package of rules designed to help minimize pollution along the Wasatch Front. The rule applies to flat wood panel coating operations in Box Elder, Cache, Davis, Salt Lake, Tooele, Utah and Weber counties. The rule applies to operations that have the potential to emit 2.7 tons per year or more of volatile organic compounds (VOC), including related cleaning activities.

Requirements

You have the option of either limiting the amount of VOC content in the coatings applied or limiting VOCs emitted by using add on control systems. Work practices to be followed are also outlined.

VOC Content Limits

No coatings with content in excess of 2.1 pounds of VOC per gallon excluding water and exempt solvents.

The equivalent content limit is 2.9 pounds of VOCs per gallon of solids coating.

Add-On Controls Systems

An incinerator, carbon adsorption, or any other add-on emission control system operated and maintained:

- In accordance with the manufacturers recommendations to achieve and maintain at least 90% capture and control efficiency determined by using EPA approved methods.

The owner or operator shall maintain records of key system parameters necessary to ensure compliance that may include, but are not limited to:

- Temperature, pressure and flow rates.
- Operator inspection schedule, monitoring, and recordkeeping, as required to demonstrate operations are providing continuous emission reduction from the source during all periods that the operations cause emissions from the source.

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 Flat Wood Panel Coatings rule. See: <http://www.rules.utah.gov/publicat/code/r307/r307-349.htm> for the entire rule.

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Work Practices to be Followed

Control techniques including:

- Store all VOC-containing coatings, thinners, and cleaning materials in closed containers;
- Minimize spills; clean up immediately;
- Convey any coatings, thinners, and cleaning materials in closed containers or pipes;
- Close mixing vessels and other materials except when specifically in use; and
- Minimize usage of solvents during cleaning of storage, mixing, and conveying equipment.

Coating application method:

- Achieve a minimum of 65% transfer efficiency.
- The following applications achieve this requirement:
 - paint brush,
 - flow coat,
 - roll coat,
 - dip coat,
 - detailing or touch up guns,
 - high volume, low pressure (HVLV) spray, and
 - hand application methods.
 - Other methods may be used if the transfer efficiency is met.
 - Operated in accordance with the manufacturers specifications.

Solvent cleaning operations:

- Cleaning material with VOC content of 0.21 pounds per gallon or less; excluding compounds not classified as VOC.
- A strippable booth coating with a VOC content in excess of 3.8 pounds per gallon, excluding water and exempt solvents.

Record Keeping

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