



FACT SHEET

R307-354 Automotive Refinishing Coatings

Overview

The Utah Division of Air Quality Rule R307-354, was adopted as part of a package of rules designed to help minimize pollution. The rule applies to automotive refinishing coating operations in Box Elder, Cache, Davis, Salt Lake, Tooele, Utah and Weber counties. Effective September 1, 2018, R307-354 shall apply to an automotive refinishing operation that uses a combined 20 gallons or more of coating products and associated solvents per year.

Requirements

You have the option of either limiting the amount of VOC coatings applied or limiting VOCs by using add on control systems. (See entire rule for all circumstances.)

VOC Content Limits

Automotive Refinishing

(values in pounds of VOC per gallon of coating, minus water and exempt solvent (compounds not defined as VOC in R307-101-2), as applied)

Coating Category	VOC Limits (lb/gal)
Adhesion Promoter	4.5
Clear Coating	2.1
Color Coating	3.5
Multi-Color Coating	5.7
Pretreatment Coating	5.5
Primer	2.1
Primer Sealer	2.1
Single-Stage Coating	2.8
Temporary Protective Coating	0.5
Truck Bed Liner Coating	2.6
Underbody Coating	3.6
Uniform Finish Coating	4.5
Any Other Coating Type	2.1

*These requirements shall not apply to any canned aerosol coating products.

Utah Division of Air Quality

January 2018

Contact

(801) 536-4000

General Air Quality information, regulations, and contact information: <https://deq.utah.gov/Divisions/daq/index.htm>.

This fact sheet provides general information concerning the Automotive Refinishing Coatings rule. See <http://rules.utah.gov/publicat/code/r307/r307-345.htm> for the entire rule.

DEQ Social Media

Blog

dequtah.blogspot.com

Facebook

facebook.com/udeq

Twitter

twitter.com/UtahDEQ

Add-On Controls Systems

If an add-on control system is used, the owner or operator shall install and maintain the add-on emission control system in accordance with the manufacturer recommendations and maintain 90% or greater capture and control efficiency. The overall capture and control efficiency shall be determined using EPA approved methods or an alternative test method may be substituted for the preceding test methods after review and approval by the EPA Administrator.

Work Practices

Control techniques and work practices are to be implemented at all times to reduce VOC emissions. Control techniques and work practices include:

- Closed containers for the disposal of solvent wiping cloths;
- Minimizing spills of VOC-containing cleaning materials;
- Conveying VOC-containing materials from one location to another in closed containers or pipes; and
- Cleaning spray guns in enclosed systems or in a non-enclosed paint gun cleaning process may be used if the vapor pressure of the cleaning solvent (excluding water and solvents exempt from the definition of is less than 100 mm Hg at 68 degrees Fahrenheit and the solvent is directed towards a drain that leads directly to an enclosed remote reservoir. Automotive spray gun solvent cleaning materials that are defined as a "consumer product" under R307-357 are exempt from the vapor pressure requirement and are regulated under the requirements in R307-357.

Application equipment requirements:

A person shall not apply any coating to an automotive part or component unless the coating application method achieves a minimum 65% transfer efficiency. The following coating application methods have been demonstrated to achieve a minimum of 65% transfer efficiency:

- Brush, dip or roll coating operated in accordance with the manufacturers specifications;
- Electrostatic application equipment operated in accordance with the manufacturers specifications; and
- High Volume, Low Pressure spray equipment operated in accordance with the manufacturers specifications.

Other coating application methods may be used that have been demonstrated to be capable of achieving at least 65% transfer efficiency, as certified by the manufacturer.

Record Keeping

Maintain records, for a minimum of two years, of inventory and product data sheets of all coatings and solvents applied. If an add-on control device is used, and the physical characteristics that demonstrate compliance with R307-354. Records shall be made available to the director upon request.

