



FACT SHEET

R307-342 Adhesives and Sealants

Overview

The Utah Division of Air Quality, R307-342, was adopted as part of a package of rules designed to help minimize pollution along the Wasatch Front. The rule applies to anyone who manufactures, sells, supplies, or applies any adhesive, sealant, adhesive primer or sealant primer in Box Elder, Cache, Davis, Salt Lake, Tooele, Utah and Weber counties.

Requirements

Manufactures

- Provide product information on the container or on the label affixed to the container.
 - Thinning recommendations unless water is used as the reducing agent.
 - Maximum or actual Volatile Organic Compounds (VOC) content of the product as supplied in grams of VOC per liter of product.
 - Maximum or actual VOC content of the product as applied, including the manufacturer's maximum recommendation for thinning in grams of VOC per liter of product.
- Maintain records demonstrating compliance including:
 - product name, product category, VOC content as supplied, and type of product application.
 - material data sheet.
 - list of catalysts, reducers or other components used and the mix ratio.
 - the monthly volume of each adhesive, sealant, adhesive primer, sealant primer, cleanup solvent and surface preparation solvent used.

Application Equipment

- Use only the following to apply adhesives and sealants: Electrostatic, Dip Coater, High Volume, Low Pressure Spray, Flow Coater, Hand Application, Roll Coater, Airless Spray, Other Methods Having > 65% Transfer Efficiency.

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 Adhesives and Sealants rule. See <http://www.rules.utah.gov/publicat/cod e/r307/r307-343.htm> for the entire rule.

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- Use the following to remove an adhesive, sealant, adhesive primer or sealant primer:
 - An enclosed cleaning system.
 - A solvent with VOC content less than or equal to 70 grams of VOC per liter of material.
 - Dried adhesive may be soaked in solvent in a closed contained if the composite vapor pressure of the solvent is less than or equal to 9.5 mm Hg at 20 degrees Celsius.

Add on Controls

An incinerator, carbon adsorption, or any other add-on emission control system, is allowed provided the system:

- Maintains at least 85% capture and control efficiency.
- Is operated and maintained in accordance with the manufacturer recommendations.

Records of key requirements must be maintained that include temperature, pressure and flow rates for a minimum of two years.

Standards

VOC Content Limits for adhesives, sealants, adhesive primers, and sealant primers*

Product or Substrate Category	VOC (g/l)	Product or Substrate Category	VOC (g/l)	Product or Substrate Category	VOC (g/l)
Adhesives					
ABS Welding	400	Metal to Urethane/Rubber Molding Or Casting	850	Structural Glazing	100
Ceramic Tile Installation	130	Multipurpose Construction	200	Thin Metal Laminating	780
Computer Diskette Jacket Manufacturing	850	Non-membrane Roof Installation/Repair	300	Tire Retread	100
Contact Bond	250	Other Plastic Cement Welding	510	Perimeter Bonded Sheet Vinyl Flooring Installation	660
Cove Base Installation	150	Outdoor Floor Covering Installation	250	Waterproof Resorcinol Glue	170
CPVC Welding	490	PVC Welding	510	Sheet-Applied Rubber Installation	850
Indoor Floor Covering Installation	150	Single-ply Roof Membrane Installation/Repair	250		
Sealants					
Architectural	250	Non-membrane Roof Installation/Repair	300	Single-ply Roof Membrane	450
Marine Deck	760	Roadway	250	Other	420
Adhesive Primers					
Automotive Glass	700	Single-ply Roof Membrane	250	Other	250
Plastic Cement Welding	650	Traffic Marking Tape	150		
Sealant Primers					
Non-porous Architectural	250	Marine Deck	760		
Porous Architectural	775	Other	750		
Adhesives Applied to Particular Substrates					
Flexible Vinyl	250	Metal	30	Rubber	250
Fiberglass	200	Porous Material	120	Other Substrates	250

Exemptions

- See <http://www.rules.utah.gov/publicat/code/r307/r307-342.htm> for all exemptions.

